

#### Taikomi standartai ir dokumentai:

LST EN ISO 4064-1:2017;  
LST EN ISO 4064-2:2017;  
LST EN ISO 4064-4:2014;  
LST EN ISO 4064-5:2017;  
OIML R 49-1:2013;  
OIML R 49-2:2013;  
WELMEC 7.2:2015.

Matavimo priemonė turi atitikti šiuos techninius reikalavimus:

### 1 Matavimo priemonės projektas

#### 1.1 Konstrukcija

Ultragarsinį vientisą vandens skaitiklį QALCOSONIC W1 sudaro matavimo keitlys su pirminiu srauto jutikliu, elektroninis skaičiuotuvas ir rodmenų įtaisas. Plastikiniame skaitiklio korpuse sumontuoti plastikiniai matavimo ruožo įdėklai su dviem ultragarso keitliais (skaitikliams su srieginiu prijungimu G 2 ir jungėmis DN50 – su keturiais ultragarso keitliais). Tame pačiame korpuse sumontuotas skaitiklio elektroninis skaičiuotuvas ir skystųjų kristalų rodmenų įtaisas. Skaitiklio įteikėjimo atvamzdyje gali būti sumontuotas filtras-sietelis. Skaitiklio ištekėjimo atvamzdyje gali būti sumontuotas atbulinis vožtuvas (išskyrus skaitiklius su srieginiu prijungimu G  $\frac{3}{4}$  ilgio 80 mm, G 1 ilgio 105 mm ir 110 mm, G  $1\frac{1}{2}$ , bei jungėmis DN50). Skaitiklis maitinamas iš nekeičiamos 3,6 V DC ličio baterijos (vienos arba dviejų).



1 pav. Vandens skaitiklis QALCOSONIC W1,  $Q_3 = 1,6/2,5/4,0 \text{ m}^3/\text{h}$ , su srieginiu prijungimu G  $\frac{3}{4}$  arba G 1 (skaitiklio dizainas pirminės versijos)



2 pav. Vandens skaitiklis QALCOSONIC W1,  $Q_3 = 1,6/2,5/4,0 \text{ m}^3/\text{h}$ , su srieginiu prijungimu G  $\frac{3}{4}$  arba G 1 (skaitiklio dizainas versijos „n“)





3 pav. Vandens skaitiklis QALCASONIC W1,  
 $Q_3 = 6,3/10 \text{ m}^3$ , su srieginiu prijungimu  
G 1 1/4 arba G 1 1/2



4 pav. Vandens skaitiklis QALCASONIC W1,  
 $Q_3 = 10/16/25 \text{ m}^3$ , su srieginiu prijungimu G 2



5 pav. Vandens skaitiklis QALCASONIC W1,  
 $Q_3 = 16/25/40 \text{ m}^3$ , su jungėmis DN50

## 1.2 Jutiklis

Ultragarinis srauto jutiklis.

## 1.3 Matavimo rezultatų apdorojimas

Srauto matavimo principas pagrįstas ultragarso signalo sklaidimo laiko matavimu vandens srauto tekėjimo kryptimi ir prieš srauto tekėjimo kryptį. Išmatuotų laikų skirtumas yra proporcingas per skaitiklį pratekėjusio vandens srautui, kurį apskaičiuoja skaitiklio skaičiuotuvas.

## 1.4 Matavimo rezultato rodmuo

Išmatuotas vandens tūris pateikiamas dviejų eilučių skystųjų kristalų rodmenų įtaise.

Viršutinė eilutė: 9 skilčių, skirta pratekėjusio vandens tūrio rodmenims.

Rodmenys darbo režime :  $\text{m}^3$ , trys skaitmenys po kablelio.

Rodmenys patikros režime :  $\text{m}^3$ , šeši skaitmenys po kablelio.

Apatinė eilutė: 5 skilčių, skirta momentinio srauto parodymui  $\text{m}^3/\text{h}$  ir informaciniams simboliams.



## **1.5 Papildoma įranga ir funkcijos, kuriems taikomi Direktyvos reikalavimai** Nėra.

### **1.6 Techninė dokumentacija**

Ultragarsinis vandens skaitiklis QALCASONIC W1. Techninis aprašas, įrengimo ir naudojimo taisyklės: TM\_QW1\_V05\_LT, 2022-01-11.

Surinkimo brėžinys N10.0001.00.00-01, 2021-12-07.

Surinkimo brėžinys N10.0013.00.00-01, 2018-08-24.

Surinkimo brėžinys N14.0010.00.00-00, 2020-10-01.

Surinkimo brėžinys N10.0033.00.00-00, 2020-10-01.

Surinkimo brėžinys N14.013.00.00 W1 DN40 L300, 2020-12-11.

Surinkimo brėžinys N10.0052.100.00-00, 2021-10-15.

Surinkimo brėžinys N10.0055.100.00-00, 2021-10-15.

Surinkimo brėžinys N10.0043.00.00-00, 2020-12-11.

Kiti dokumentai, kuriais remiantis išduotas šis sertifikatas, saugomi byloje Nr. LEI-12-MP-116.21.

### **1.7 Įranga ir funkcijos, kuriems netaikomi Direktyvos reikalavimai**

Skaitiklyje integruota NFC (artimojo ryšio) sąsaja, skirta duomenų nuskaitymui. Taip pat skaitiklyje integruota optinio ryšio sąsaja pagal LST EN 62056-21 reikalavimus, skirta duomenų nuskaitymui M-Bus protokolu, skaitiklio parametrų nustatymui ir optinių impulsų išvedimui patikros režime.

Skaitiklyje sumontuota viena iš šių belaidžio ryšio sąsajų:

- RF 868 MHz;
- RF 433 MHz;
- RF 915 MHz;
- RF 920,5 MHz;
- NB-IoT, darbiniai dažniai B1, B3, B5, B8, B20, B28.

RF ryšio sąsajomis duomenys gali būti perduodami šiais protokolais:

- W-M-Bus-T1;
- W-M-Bus-T2;
- W-M-Bus-S1;
- W-M-Bus-C1;
- SIGFOX;
- LORA WAN;
- CoAP.

Papildomai (specialiai užsakant, tik skaitikliams su srieginiu prijungimu G 2 ir jungėmis DN50) skaitiklyje gali būti sumontuota viena arba abi toliau nurodytos laidinio ryšio sąsajos (kabelio ilgis 1,5 m):

- M-Bus;
- laidinė impulsų išvestis.

## **2 Techniniai duomenys**

### **2.1 Vardinės veikimo sąlygos**

#### **2.1.1 Matuojamasis dydis**

Pratekėjusio vandens tūris, parodomas skystųjų kristalų rodmenų įtaise.





## 2.1.2 Matavimo ribos

Vandens skaitiklio QALCOSONIC W1 matavimo ribos ir pagrindinės techninės charakteristikos pateiktos 1 lentelėje :

1 lentelė

| Nuolatinis<br>$Q_3$ | Srautas, m <sup>3</sup> /h |                     |                       | Srautų<br>santykis<br>$R, Q_3/Q_1$ | Prijungimo<br>būdas | Montavimo<br>ilgis L, mm           | Slėgio nuostolių<br>klasė: be filtro/<br>sumontavus<br>filtrą-sietelį |
|---------------------|----------------------------|---------------------|-----------------------|------------------------------------|---------------------|------------------------------------|-----------------------------------------------------------------------|
|                     | Perkrovos<br>$Q_4$         | Mažiausias<br>$Q_1$ | Pereinamasis<br>$Q_2$ |                                    |                     |                                    |                                                                       |
| 1,6                 | 2,0                        | 0,020               | 0,032                 | 80                                 | G ¾                 | 80*; 105;<br>110; 115*;<br>165;170 | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 1,6                 | 2,0                        | 0,010               | 0,016                 | 160                                | G ¾                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 1,6                 | 2,0                        | 0,0064              | 0,010                 | 250                                | G ¾                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 1,6                 | 2,0                        | 0,005               | 0,008                 | 315                                | G ¾                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 1,6                 | 2,0                        | 0,004               | 0,0064                | 400                                | G ¾                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 2,5                 | 3,125                      | 0,031               | 0,050                 | 80                                 | G ¾                 | 80*; 105;<br>110; 115*;<br>165;170 | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 2,5                 | 3,125                      | 0,0156              | 0,025                 | 160                                | G ¾                 |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 2,5                 | 3,125                      | 0,010               | 0,016                 | 250                                | G ¾                 |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 2,5                 | 3,125                      | 0,0062              | 0,010                 | 400                                | G ¾                 |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 2,5                 | 3,125                      | 0,0031              | 0,005                 | 800                                | G ¾                 |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 2,5                 | 3,125                      | 0,031               | 0,050                 | 80                                 | G 1                 | 105; 110;<br>130;165;<br>190       | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 2,5                 | 3,125                      | 0,0156              | 0,025                 | 160                                | G 1                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 2,5                 | 3,125                      | 0,010               | 0,016                 | 250                                | G 1                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 2,5                 | 3,125                      | 0,0062              | 0,010                 | 400                                | G 1                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 4,0                 | 5,0                        | 0,050               | 0,080                 | 80                                 | G 1                 | 105; 110;<br>130; 165;<br>190      | $\Delta p$ 25/ $\Delta p$ 40**                                        |
| 4,0                 | 5,0                        | 0,025               | 0,040                 | 160                                | G 1                 |                                    | $\Delta p$ 25/ $\Delta p$ 40**                                        |
| 4,0                 | 5,0                        | 0,016               | 0,026                 | 250                                | G 1                 |                                    | $\Delta p$ 25/ $\Delta p$ 40**                                        |
| 4,0                 | 5,0                        | 0,010               | 0,016                 | 400                                | G 1                 |                                    | $\Delta p$ 25/ $\Delta p$ 40**                                        |
| 4,0                 | 5,0                        | 0,005               | 0,008                 | 800                                | G 1                 |                                    | $\Delta p$ 25/ $\Delta p$ 40**                                        |
| 6,3                 | 7,875                      | 0,079               | 0,126                 | 80                                 | G 1½                | 260                                | $\Delta p$ 25/ $\Delta p$ 40                                          |
| 6,3                 | 7,875                      | 0,040               | 0,063                 | 160                                | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 40                                          |
| 6,3                 | 7,875                      | 0,0252              | 0,040                 | 250                                | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 40                                          |
| 6,3                 | 7,875                      | 0,016               | 0,0252                | 400                                | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 40                                          |
| 6,3                 | 7,875                      | 0,008               | 0,013                 | 800***                             | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 40                                          |
| 6,3                 | 7,875                      | 0,079               | 0,126                 | 80                                 | G 1½                | 260                                | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 6,3                 | 7,875                      | 0,040               | 0,063                 | 160                                | G 1½                |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 6,3                 | 7,875                      | 0,0252              | 0,040                 | 250                                | G 1½                |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 6,3                 | 7,875                      | 0,016               | 0,0252                | 400                                | G 1½                |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 10,0                | 12,5                       | 0,125               | 0,200                 | 80                                 | G 1½                | 260                                | $\Delta p$ 63/ $\Delta p$ 63                                          |
| 10,0                | 12,5                       | 0,0625              | 0,100                 | 160                                | G 1½                |                                    | $\Delta p$ 63/ $\Delta p$ 63                                          |
| 10,0                | 12,5                       | 0,040               | 0,064                 | 250                                | G 1½                |                                    | $\Delta p$ 63/ $\Delta p$ 63                                          |
| 10,0                | 12,5                       | 0,025               | 0,040                 | 400                                | G 1½                |                                    | $\Delta p$ 63/ $\Delta p$ 63                                          |
| 10,0                | 12,5                       | 0,0125              | 0,020                 | 800***                             | G 1½                |                                    | $\Delta p$ 63/ $\Delta p$ 63                                          |
| 10,0                | 12,5                       | 0,010               | 0,016                 | 1000***                            | G 1½                | 260                                | $\Delta p$ 63/ $\Delta p$ 63                                          |
| 10,0                | 12,5                       | 0,125               | 0,200                 | 80                                 | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 10,0                | 12,5                       | 0,0625              | 0,100                 | 160                                | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 10,0                | 12,5                       | 0,025               | 0,040                 | 400                                | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 10,0                | 12,5                       | 0,0125              | 0,020                 | 800***                             | G 1½                |                                    | $\Delta p$ 25/ $\Delta p$ 25                                          |
| 10,0                | 12,5                       | 0,125               | 0,200                 | 80                                 | G 2                 | 300                                | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 10,0                | 12,5                       | 0,0625              | 0,100                 | 160                                | G 2                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |
| 10,0                | 12,5                       | 0,040               | 0,064                 | 250                                | G 2                 |                                    | $\Delta p$ 16/ $\Delta p$ 16                                          |

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| Nuolatinis<br>$Q_3$ | Srautas, m <sup>3</sup> /h |                     |                       | Srautų<br>santykis<br>$R, Q_3/Q_1$ | Prijungimo<br>būdas | Montavimo<br>ilgis $L$ , mm | Slėgio<br>nuostolių<br>klasė: be filtro/<br>sumontavus<br>filtrą-sietelį |
|---------------------|----------------------------|---------------------|-----------------------|------------------------------------|---------------------|-----------------------------|--------------------------------------------------------------------------|
|                     | Perkrovos<br>$Q_4$         | Mažiausias<br>$Q_1$ | Pereinamasis<br>$Q_2$ |                                    |                     |                             |                                                                          |
| 16,0                | 20,0                       | 0,200               | 0,320                 | 80                                 | G 2                 | 300                         | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,100               | 0,160                 | 160                                | G 2                 |                             | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,064               | 0,102                 | 250                                | G 2                 |                             | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,040               | 0,064                 | 400                                | G 2                 |                             | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,020               | 0,032                 | 800***                             | G2                  |                             | $\Delta p 16/ \Delta p 16$                                               |
| 25,0                | 31,25                      | 0,3125              | 0,500                 | 80                                 | G 2                 | 300                         | $\Delta p 16/ \Delta p 25$                                               |
| 25,0                | 31,25                      | 0,156               | 0,250                 | 160                                | G 2                 |                             | $\Delta p 16/ \Delta p 25$                                               |
| 25,0                | 31,25                      | 0,100               | 0,160                 | 250                                | G 2                 |                             | $\Delta p 16/ \Delta p 25$                                               |
| 25,0                | 31,25                      | 0,0625              | 0,100                 | 400                                | G 2                 |                             | $\Delta p 16/ \Delta p 25$                                               |
| 25,0                | 31,25                      | 0,0312              | 0,050                 | 800***                             | G 2                 |                             | $\Delta p 16/ \Delta p 25$                                               |
| 16,0                | 20,0                       | 0,200               | 0,320                 | 80                                 | DN50                | 200                         | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,100               | 0,160                 | 160                                | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,064               | 0,102                 | 250                                | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 16,0                | 20,0                       | 0,040               | 0,064                 | 400***                             | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 25,0                | 31,25                      | 0,3125              | 0,500                 | 80                                 | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 25,0                | 31,25                      | 0,156               | 0,250                 | 160                                | DN50                | 200                         | $\Delta p 16/ \Delta p 16$                                               |
| 25,0                | 31,25                      | 0,100               | 0,160                 | 250                                | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 25,0                | 31,25                      | 0,0625              | 0,100                 | 400                                | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 25,0                | 31,25                      | 0,0312              | 0,050                 | 800***                             | DN50                |                             | $\Delta p 16/ \Delta p 16$                                               |
| 40,0                | 50,0                       | 0,500               | 0,800                 | 80                                 | DN50                | 200                         | $\Delta p 16/ \Delta p 40$                                               |
| 40,0                | 50,0                       | 0,250               | 0,400                 | 160                                | DN50                |                             | $\Delta p 16/ \Delta p 40$                                               |
| 40,0                | 50,0                       | 0,160               | 0,256                 | 250                                | DN50                |                             | $\Delta p 16/ \Delta p 40$                                               |
| 40,0                | 50,0                       | 0,100               | 0,160                 | 400                                | DN50                |                             | $\Delta p 16/ \Delta p 40$                                               |
| 40,0                | 50,0                       | 0,050               | 0,080                 | 800***                             | DN50                |                             | $\Delta p 16/ \Delta p 40$                                               |

Pastabos:

- \* – skaitikliai ilgio  $l = 80$  mm ir  $l = 115$  mm gaminami tik pirminio dizaino versijos.
- \*\* – skaitikliams  $Q_3 = 4$  m<sup>3</sup>/h, srieginio prijungimo G 1,  $l = 190$  mm, sumontavus filtrą-sietelį, galioja slėgio nuostolių klasė  $\Delta p 40$ . Visų kitų ilgių  $Q_3 = 4$  m<sup>3</sup>/h skaitikliams su filtru galioja slėgio nuostolių klasė  $\Delta p 25$ .
- \*\*\* – šis srautų santykis galioja tik skaitikliams temperatūros klasės T30.

### 2.1.3 Skaitiklio temperatūros klasės ir didžiausiosios leidžiamosios paklaidos

Skaitiklio temperatūros klasės ir didžiausiosios leidžiamosios paklaidos pateiktos 2 lentelėje:

2 lentelė

| Skaitiklio temperatūros<br>klasė | Vandens temperatūros<br>ribos | Didžiausiosios leidžiamosios paklaidos                                                                                                                                                                                                                |
|----------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T30                              | nuo 0,1 °C iki 30 °C          | $\pm 5\%$ srauto ribose $Q_1 \leq Q < Q_2$<br>$\pm 2\%$ srauto ribose $Q_2 \leq Q \leq Q_4$                                                                                                                                                           |
| T50                              | nuo 0,1 °C iki 50 °C          | $\pm 5\%$ srauto ribose $Q_1 \leq Q < Q_2$<br>$\pm 2\%$ srauto ribose $Q_2 \leq Q \leq Q_4$<br>(esant vandens temperatūrai nuo 0,1 °C iki 30 °C)<br>$\pm 3\%$ srauto ribose $Q_2 \leq Q \leq Q_4$<br>(esant vandens temperatūrai nuo 30 °C iki 50 °C) |
| T30/90                           | nuo 30 °C iki 90 °C           | $\pm 5\%$ srauto ribose $Q_1 \leq Q < Q_2$<br>$\pm 3\%$ srauto ribose $Q_2 \leq Q \leq Q_4$                                                                                                                                                           |

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| Skaitiklio temperatūros klasė | Vandens temperatūros ribos | Didžiausiosios leidžiamosios paklaidos                                                                                                                                                                                                                |
|-------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T90                           | nuo 0,1 °C iki 90 °C       | $\pm 5\%$ srauto ribose $Q_1 \leq Q < Q_2$<br>$\pm 2\%$ srauto ribose $Q_2 \leq Q \leq Q_4$<br>(esant vandens temperatūrai nuo 0,1 °C iki 30 °C)<br>$\pm 3\%$ srauto ribose $Q_2 \leq Q \leq Q_4$<br>(esant vandens temperatūrai nuo 30 °C iki 90 °C) |

#### 2.1.4 Aplinkos sąlygos/paveikieji dydžiai

|                             |   |                                |
|-----------------------------|---|--------------------------------|
| Aplinkos temperatūros ribos | : | nuo -15 °C iki 70 °C;          |
| Drėgmė                      | : | besikondensuojanti;            |
| Montavimo vieta             | : | uždarose patalpose arba lauke; |
| Elektromagnetinė aplinka    | : | klasė E2;                      |
| Korpuso apsaugos laipsnis   | : | IP68.                          |

## 2.2 Kitos veikimo sąlygos

### 2.2.1 Didžiausias leidžiamasis darbinis slėgis

Vandens skaitiklio didžiausias leidžiamasis darbinis slėgis yra 1,6 MPa (MAP 16).

### 2.2.2 Vandens skaitiklio montavimo padėtis

Vandens skaitiklis gali būti montuojamas horizontaliai, vertikalčiai arba nuolydyje.

## 3 Sąajos ir suderinamumo sąlygos

Skaitiklio sąajos, nurodytos šio priedo 1.7 punkte.

## 4 Reikalavimai gamybai, naudojimo pradžiai ir naudojimui

### 4.1 Reikalavimai tolygiai gamybai užtikrinti

Po gamybos ir derinimo proceso vandens skaitikliams atliekami bandymai pagal LST EN ISO 4064-2 10.1 punkto reikalavimus. Skaitiklių paklaidos turi neviršyti didžiausių leidžiamųjų paklaidų, nurodytų Direktyvos 2014/32/ES priede III (MI-001).

Skaitikliai bandomi, esant šiems srautams:

tarp  $Q_1$  ir  $1,1Q_1$

tarp  $Q_2$  ir  $1,1Q_2$

tarp  $0,9Q_3$  ir  $Q_3$ .

T30 ir T50 klasės vandens skaitikliai bandomi  $20\text{ °C} \pm 10\text{ °C}$  temperatūros vandeniu.

T30/90 klasės vandens skaitikliai bandomi  $50\text{ °C} \pm 10\text{ °C}$  temperatūros vandeniu.

T90 klasės vandens skaitikliai bandomi  $20\text{ °C} \pm 10\text{ °C}$  ir  $50\text{ °C} \pm 10\text{ °C}$  temperatūros vandeniu.

### 4.2 Reikalavimai naudojimo pradžiai

Vandens skaitiklis QALCOSONIC W1 turi būti įrengtas pagal techninio aprašo, nurodyto 1.6 punkte, reikalavimus.

Tiesios atkarpų dalys prieš ir už vandens skaitiklio nebūtinės (skaitiklio srauto profilio jautrumo klasė U0 D0).





#### 4.3 Reikalavimai pastoviam naudojimui

Nėra specialių reikalavimų.

### 5 Matavimo proceso kontrolė pradėjus naudoti matavimo priemonę

#### 5.1 Dokumentuota procedūra

Nėra.

#### 5.2 Specialūs įrenginiai ar programinė įranga

- optinė nuskaitymo galvutė, atitinkanti LST EN 62056-21 standartą su spec. laikikliu;
- serviso programinė įranga **W1 TOOL**.

#### 5.3 Techninės ir programinės įrangos identifikavimas

Techninės įrangos identifikavimas:

- žr. šio priedo 1 – 5 paveikslus.

Programinės įrangos identifikavimas: programinės įrangos versijos numeris yra **1.03** skaitikliams su srieginiu prijungimu G  $\frac{3}{4}$ , G 1, G  $1\frac{1}{4}$ , G  $1\frac{1}{2}$  ir **2.02** skaitikliams su srieginiu prijungimu G 2 ir jungėmis DN50. Šis numeris nurodytas prietaiso ženklavimo etiketėje (žymima SW:1.03 arba SW:2.02).

#### 5.4 Kalibravimo/reguliavimo procedūra

Naudojant optinę galvutę ir kompiuterį su programine įranga **W1 TOOL** įjungiamas skaitiklio patikros režimas. Optinė galvutė turi būti prijungta prie kompiuterio USB sąsajos.

Spec. laikiklio pagalba uždėjus optinę galvutę ant skaitiklio ir atidarius programos pradinį langą, langelyje „**Com Port**“ įvedamas kompiuterio prievado, prie kurio prijungta optinė galvutė, numeris.

Paspaudžiamas mygtukas „**Wake Up Meter**“, po to mygtukas „**Enter Test Mode**“.

Pervedus skaitiklį į patikros režimą, skaitiklio tūrio rodmenų skyra yra 1 ml.

Skaitiklio matavimo paklaidos įvertinamos, esant kontroliniams srautams, nurodytiems šio priedo 4.1 punkte, naudojant skaitiklio optinės sąsajos išvestį arba nuskaitant tūrio rodmenis skaitiklio skystųjų kristalų ekrane.

Tūrio impulsų vertė patikros režime pateikta 3 lentelėje.

3 lentelė

| Skaitiklio nuolatinis<br>srautas $Q_3$ , m <sup>3</sup> /h | Tūrio impulso vertė<br>patikros režime, litrai/imp. |
|------------------------------------------------------------|-----------------------------------------------------|
| 1,6                                                        | 0,001                                               |
| 2,5                                                        | 0,002                                               |
| 4                                                          | 0,004                                               |
| 6,3                                                        | 0,005                                               |
| 10                                                         | 0,010                                               |
| 16                                                         | 0,015                                               |
| 25                                                         | 0,020                                               |
| 40                                                         | 0,025                                               |

Į darbo režimą skaitiklis pervedamas optinės galvutės ir kompiuterio su programine įranga **W1 TOOL** pagalba. Atidarius programos pradinį langą, paspaudžiamas mygtukas „**Wake Up Meter**“, po to mygtukas „**Enter User Mode**“, skaitiklis grįžta į darbo režimą.



Skaitiklis grįžta į darbo režimą savaime, praėjus 24 valandoms nuo patikros režimo įjungimo.

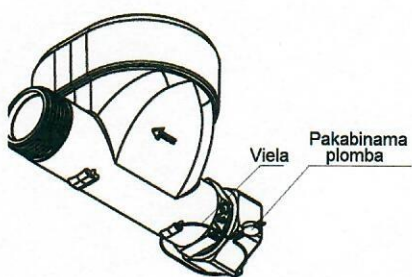
## 6 Matavimų apsauga

### 6.1 Plombavimas

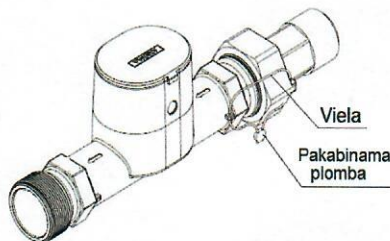
Skaitiklio korpusas yra neardomai uždarytas. Bet koks nesankcionuotas atidarymas nepažeidus korpuso yra neįmanomas. Atidarius viršutinį dangtelį, įsijungia skaitiklio korpuse sumontuotas apsauginis mygtukas ir skaitiklio rodmenų įtaise pasirodo klaidos kodas, kurio pirmasis skaitmuo yra „4“.

Skaitiklio su srieginiu prijungimu plombavimui po įrengimo yra numatytos kiaurymės skaitiklio korpuse (6 pav. a ir b).

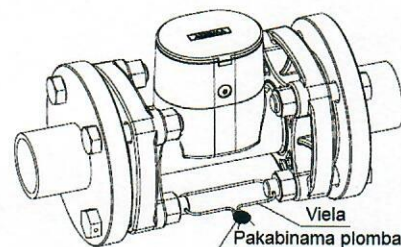
Skaitikliui su jungėmis DN50 po įrengimo plombuojami tvirtinimo varžtai (6 pav. c)



a) Skaitiklis su srieginiu  
prijungimu G  $\frac{3}{4}$  ir G 1



b) Skaitiklis su srieginiu prijungimu  
G  $1\frac{1}{4}$ , G  $1\frac{1}{2}$ , G 2



c) Skaitiklis su  
jungėmis DN50

6 pav. Vandens skaitiklio QALCOSONIC W1 plombavimas po įrengimo

## 7 Ženklinimas ir užrašai

### 7.1 Informacija, kuri turi būti pateikta ant matavimo priemonės ir prie jos pridedama

Ant vandens skaitiklio korpuso dangtelio yra ši informacija:

- ES tipo tyrimo sertifikato numeris;
- gamintojo prekės ženklas;
- platintojo ženklas (jei taikoma);
- skaitiklio tipo žymėjimas;
- gamybos metai ir serijos numeris;
- matavimo vienetų žymėjimas:  $m^3$  (rodoma skystųjų kristalų rodmenų įtaise);
- nuolatinis srautas  $Q_3$ ;
- srautų santykis  $Q_3/Q_1$ , žymimas raide R;
- temperatūros klasė, kai ji yra skirtinga, nei T30;
- didžiausias leidžiamasis darbinis slėgis (MAP);
- slėgio nuostolių klasė;
- skaitiklio srauto profilio jautrumo klasė;
- vėliausia skaitiklio pakeitimo data;
- programinės įrangos versijos numeris;
- IP kodas;
- QR kodas arba brūkšninis kodas;
- ryšio sąsaja NB-IoT (jei sumontuota skaitiklyje).

Ant vandens skaitiklio korpuso turi būti rodyklė srauto kryptčiai pažymėti.

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## 7.2 Atitikties įvertinimo žymėjimas

Vandens skaitiklio ženklavimo etiketėje papildomai turi būti šie ženklai:

- „CE“ ženklas;
- papildomas metrologinis ženklas, kurį sudaro stačiakampis su įrašyta didžiąja raide „M“ ir du paskutiniai ženklo pritvirtinimo metų skaitmenys;
- paskelbtosios įstaigos, atlikusios atitikties vertinimą, numeris.

## 8 Sąrašas brėžinių, pridedamų prie sertifikato

Surinkimo brėžinys N10.0001.00.00-01, 2021-12-07.  
Surinkimo brėžinys N10.0013.00.00-01, 2018-08-24.  
Surinkimo brėžinys N14.0010.00.00-00, 2020-10-01.  
Surinkimo brėžinys N10.0033.00.00-00, 2020-10-01.  
Surinkimo brėžinys N14.013.00.00 W1 DN40 L300, 2020-12-11.  
Surinkimo brėžinys N10.0052.100.00-00, 2021-10-15.  
Surinkimo brėžinys N10.0055.100.00-00, 2021-10-15.  
Surinkimo brėžinys N10.0043.00.00-00, 2020-12-11.

## 9 Sertifikatų istorija

| Leidimas                                          | Išleidimo data ir nuorodos Nr.   | Aprašymas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                                      |                  |                       |                                      |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|---------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------|------------------|-----------------------|--------------------------------------|------------------|-----------------------|------------------------|------------------------|----------------|----------------|----------------|-----|-----|-------|--------|-----|-----|----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-------|--------|-------|-----|-----|----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|
| 1                                                 | 2                                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                                      |                  |                       |                                      |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
| LT-1621-MI001-034                                 | 2018-08-31, Nr. LEI-12-MP-076.18 | Tipo tyrimo sertifikato pirmasis leidimas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                                      |                  |                       |                                      |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
| LT-1621-MI001-034<br>Pirmasis pataisytas leidimas | 2019-07-30, Nr. LEI-12-MP-088.19 | 1. Skaitiklis papildytas vandens temperatūros klase T50.<br><br>2. Pakeistas skaitiklio ženklinimo etiketės dizainas (1 pav.).<br><br>3. Dokumentas PL_QW1_V02, išleistas 2018-08-29, pakeistas dokumentu PL_QW1_V04, išleistu 2019-07-24.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                                      |                  |                       |                                      |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
| LT-1621-MI001-034<br>Antrasis pataisytas leidimas | 2019-12-09, Nr. LEI-12-MP-092.19 | 1. Skaitiklis papildytas naujomis modifikacijomis su praplėstomis srauto matavimo ribomis: <table><tr><th colspan="4">Srautas, m³/h</th><th rowspan="2">R,<br/>Q<sub>3</sub>/Q<sub>1</sub></th><th rowspan="2">Prijungimo būdas</th><th rowspan="2">Montavimo ilgis L, mm</th><th rowspan="2">Slėgio nuostolių klasė</th></tr><tr><th>Q<sub>3</sub></th><th>Q<sub>4</sub></th><th>Q<sub>1</sub></th><th>Q<sub>2</sub></th></tr><tr><td rowspan="5">1,6</td><td rowspan="5">2,0</td><td rowspan="5">0,004</td><td rowspan="5">0,0064</td><td rowspan="5">400</td><td>G ¾</td><td>80</td><td>Δp 25</td></tr><tr><td>G ¾</td><td>105</td><td>Δp 25</td></tr><tr><td>G ¾</td><td>110</td><td>Δp 25</td></tr><tr><td>G ¾</td><td>165</td><td>Δp 25</td></tr><tr><td>G ¾</td><td>170</td><td>Δp 25</td></tr><tr><td rowspan="5">2,5</td><td rowspan="5">3,125</td><td rowspan="5">0,0031</td><td rowspan="5">0,005</td><td rowspan="5">800</td><td>G ¾</td><td>80</td><td>Δp 40</td></tr><tr><td>G ¾</td><td>105</td><td>Δp 40</td></tr><tr><td>G ¾</td><td>110</td><td>Δp 40</td></tr><tr><td>G ¾</td><td>165</td><td>Δp 40</td></tr><tr><td>G ¾</td><td>170</td><td>Δp 40</td></tr></table> | Srautas, m³/h  |                                      |                  |                       | R,<br>Q <sub>3</sub> /Q <sub>1</sub> | Prijungimo būdas | Montavimo ilgis L, mm | Slėgio nuostolių klasė | Q <sub>3</sub>         | Q <sub>4</sub> | Q <sub>1</sub> | Q <sub>2</sub> | 1,6 | 2,0 | 0,004 | 0,0064 | 400 | G ¾ | 80 | Δp 25 | G ¾ | 105 | Δp 25 | G ¾ | 110 | Δp 25 | G ¾ | 165 | Δp 25 | G ¾ | 170 | Δp 25 | 2,5 | 3,125 | 0,0031 | 0,005 | 800 | G ¾ | 80 | Δp 40 | G ¾ | 105 | Δp 40 | G ¾ | 110 | Δp 40 | G ¾ | 165 | Δp 40 | G ¾ | 170 | Δp 40 |
| Srautas, m³/h                                     |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | R,<br>Q <sub>3</sub> /Q <sub>1</sub> | Prijungimo būdas | Montavimo ilgis L, mm |                                      |                  |                       |                        | Slėgio nuostolių klasė |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
| Q <sub>3</sub>                                    | Q <sub>4</sub>                   | Q <sub>1</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Q <sub>2</sub> |                                      |                  |                       |                                      |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
| 1,6                                               | 2,0                              | 0,004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0,0064         | 400                                  | G ¾              | 80                    | Δp 25                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 105                   | Δp 25                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 110                   | Δp 25                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 165                   | Δp 25                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 170                   | Δp 25                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
| 2,5                                               | 3,125                            | 0,0031                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0,005          | 800                                  | G ¾              | 80                    | Δp 40                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 105                   | Δp 40                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 110                   | Δp 40                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 165                   | Δp 40                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                      | G ¾              | 170                   | Δp 40                                |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |
|                                                   |                                  | 2. Nauja skaitiklio ženklinimo etiketė su platintojo NeoVac ženklu.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                                      |                  |                       |                                      |                  |                       |                        |                        |                |                |                |     |     |       |        |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |     |       |        |       |     |     |    |       |     |     |       |     |     |       |     |     |       |     |     |       |





| 1                                                    | 2                                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |              |                  |                       |               |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
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|                                                      |                                  | 3. Dokumentas PL_QW1_V04, išleistas 2019-07-24, pakeistas dokumentu PL_QW1_V05, išleistu 2019-08-21.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |              |                  |                       |               |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| LT-1621-MI001-034<br>Trečiasis pataisytas leidimas   | 2020-01-31, Nr. LEI-12-MP-098.20 | 1. Skaitiklyje papildomai gali būti sumontuotos šios belaidžio ryšio sąsajos:<br>- RF 920,5 MHz;<br>- NB-IoT, darbiniai dažniai B1, B3, B5, B8, B20, B28.<br><br>2. Dokumentas PL_QW1_V05, išleistas 2019-08-21, pakeistas dokumentu PL_QW1_V06, išleistu 2020-01-09.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |              |                  |                       |               |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| LT-1621-MI001-034<br>Ketvirtasis pataisytas leidimas | 2020-08-25, Nr. LEI-12-MP-106.20 | 1. Skaitiklis papildytas modifikacijomis su papildomomis santykio $R(Q_3/Q_1) = 80$ ir $R(Q_3/Q_1) = 160$ vertėmis.<br><br>2. Skaitikliams, kurių prijungimo būdas $G \frac{3}{4}$ ir vardinis srautas $Q_3 = 1,6 \text{ m}^3/\text{h}$ , slėgio nuostolių klasė iš $\Delta p 25$ pakeista į $\Delta p 16$ .<br><br>3. Skaitikliams, kurių prijungimo būdas $G \frac{3}{4}$ ir vardinis srautas $Q_3 = 2,5 \text{ m}^3/\text{h}$ , slėgio nuostolių klasė iš $\Delta p 40$ pakeista į $\Delta p 25$ .<br><br>4. Naujos skaitiklio ženklavimo etiketės su platintojų ženklais (1p paveikslas).<br><br>5. Dokumentas PL_QW1_V06, išleistas 2020-01-09, pakeistas dokumentu PL_QW1_V08, išleistu 2020-07-22.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |              |                  |                       |               |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| LT-1621-MI001-034<br>Penktasis pataisytas leidimas   | 2020-10-21, Nr. LEI-12-MP-105.20 | 1. Skaitiklis papildytas šiomis naujomis modifikacijomis: <table><tr><th colspan="4">Srautas, m³/h</th><th rowspan="2">R, <math>Q_3/Q_1</math></th><th rowspan="2">Prijungimo būdas</th><th rowspan="2">Montavimo ilgis L, mm</th><th rowspan="2">Slėgio nuostolių klasė</th></tr><tr><th><math>Q_3</math></th><th><math>Q_4</math></th><th><math>Q_1</math></th><th><math>Q_2</math></th></tr><tr><td>6,3</td><td>7,875</td><td>0,079</td><td>0,126</td><td>80</td><td>G 1¼</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,040</td><td>0,063</td><td>160</td><td>G 1¼</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,0252</td><td>0,040</td><td>250</td><td>G 1¼</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,016</td><td>0,0252</td><td>400</td><td>G 1¼</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,008</td><td>0,013</td><td>800*</td><td>G 1¼</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,079</td><td>0,126</td><td>80</td><td>G 1½</td><td>260</td><td><math>\Delta p 16</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,040</td><td>0,063</td><td>160</td><td>G 1½</td><td>260</td><td><math>\Delta p 16</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,0252</td><td>0,040</td><td>250</td><td>G 1½</td><td>260</td><td><math>\Delta p 16</math></td></tr><tr><td>6,3</td><td>7,875</td><td>0,016</td><td>0,0252</td><td>400</td><td>G 1½</td><td>260</td><td><math>\Delta p 16</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,125</td><td>0,200</td><td>80</td><td>G 1¼</td><td>260</td><td><math>\Delta p 63</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,0625</td><td>0,100</td><td>160</td><td>G 1¼</td><td>260</td><td><math>\Delta p 63</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,040</td><td>0,064</td><td>250</td><td>G 1¼</td><td>260</td><td><math>\Delta p 63</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,025</td><td>0,040</td><td>400</td><td>G 1¼</td><td>260</td><td><math>\Delta p 63</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,0125</td><td>0,020</td><td>800*</td><td>G 1¼</td><td>260</td><td><math>\Delta p 63</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,010</td><td>0,016</td><td>1000*</td><td>G 1¼</td><td>260</td><td><math>\Delta p 63</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,125</td><td>0,200</td><td>80</td><td>G 1½</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,0625</td><td>0,100</td><td>160</td><td>G 1½</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,025</td><td>0,040</td><td>400</td><td>G 1½</td><td>260</td><td><math>\Delta p 25</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,0125</td><td>0,020</td><td>800*</td><td>G 1½</td><td>260</td><td><math>\Delta p 25</math></td></tr></table> <p>Pastaba: * – šis srautų santykis galioja tik skaitikliams temperatūros klasės T30.</p> | Srautas, m³/h |              |                  |                       | R, $Q_3/Q_1$  | Prijungimo būdas | Montavimo ilgis L, mm | Slėgio nuostolių klasė | $Q_3$                  | $Q_4$ | $Q_1$ | $Q_2$ | 6,3 | 7,875 | 0,079 | 0,126 | 80 | G 1¼ | 260 | $\Delta p 25$ | 6,3 | 7,875 | 0,040 | 0,063 | 160 | G 1¼ | 260 | $\Delta p 25$ | 6,3 | 7,875 | 0,0252 | 0,040 | 250 | G 1¼ | 260 | $\Delta p 25$ | 6,3 | 7,875 | 0,016 | 0,0252 | 400 | G 1¼ | 260 | $\Delta p 25$ | 6,3 | 7,875 | 0,008 | 0,013 | 800* | G 1¼ | 260 | $\Delta p 25$ | 6,3 | 7,875 | 0,079 | 0,126 | 80 | G 1½ | 260 | $\Delta p 16$ | 6,3 | 7,875 | 0,040 | 0,063 | 160 | G 1½ | 260 | $\Delta p 16$ | 6,3 | 7,875 | 0,0252 | 0,040 | 250 | G 1½ | 260 | $\Delta p 16$ | 6,3 | 7,875 | 0,016 | 0,0252 | 400 | G 1½ | 260 | $\Delta p 16$ | 10,0 | 12,5 | 0,125 | 0,200 | 80 | G 1¼ | 260 | $\Delta p 63$ | 10,0 | 12,5 | 0,0625 | 0,100 | 160 | G 1¼ | 260 | $\Delta p 63$ | 10,0 | 12,5 | 0,040 | 0,064 | 250 | G 1¼ | 260 | $\Delta p 63$ | 10,0 | 12,5 | 0,025 | 0,040 | 400 | G 1¼ | 260 | $\Delta p 63$ | 10,0 | 12,5 | 0,0125 | 0,020 | 800* | G 1¼ | 260 | $\Delta p 63$ | 10,0 | 12,5 | 0,010 | 0,016 | 1000* | G 1¼ | 260 | $\Delta p 63$ | 10,0 | 12,5 | 0,125 | 0,200 | 80 | G 1½ | 260 | $\Delta p 25$ | 10,0 | 12,5 | 0,0625 | 0,100 | 160 | G 1½ | 260 | $\Delta p 25$ | 10,0 | 12,5 | 0,025 | 0,040 | 400 | G 1½ | 260 | $\Delta p 25$ | 10,0 | 12,5 | 0,0125 | 0,020 | 800* | G 1½ | 260 | $\Delta p 25$ |
| Srautas, m³/h                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               | R, $Q_3/Q_1$ | Prijungimo būdas | Montavimo ilgis L, mm |               |                  |                       |                        | Slėgio nuostolių klasė |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| $Q_3$                                                | $Q_4$                            | $Q_1$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $Q_2$         |              |                  |                       |               |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,079                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,126         | 80           | G 1¼             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,063         | 160          | G 1¼             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,0252                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,040         | 250          | G 1¼             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,0252        | 400          | G 1¼             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,013         | 800*         | G 1¼             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,079                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,126         | 80           | G 1½             | 260                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,063         | 160          | G 1½             | 260                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,0252                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,040         | 250          | G 1½             | 260                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 6,3                                                  | 7,875                            | 0,016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,0252        | 400          | G 1½             | 260                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,200         | 80           | G 1¼             | 260                   | $\Delta p 63$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,0625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,100         | 160          | G 1¼             | 260                   | $\Delta p 63$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,064         | 250          | G 1¼             | 260                   | $\Delta p 63$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,040         | 400          | G 1¼             | 260                   | $\Delta p 63$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,0125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,020         | 800*         | G 1¼             | 260                   | $\Delta p 63$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,016         | 1000*        | G 1¼             | 260                   | $\Delta p 63$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,200         | 80           | G 1½             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,0625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,100         | 160          | G 1½             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,040         | 400          | G 1½             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |
| 10,0                                                 | 12,5                             | 0,0125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,020         | 800*         | G 1½             | 260                   | $\Delta p 25$ |                  |                       |                        |                        |       |       |       |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |     |       |       |       |      |      |     |               |     |       |       |       |    |      |     |               |     |       |       |       |     |      |     |               |     |       |        |       |     |      |     |               |     |       |       |        |     |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |      |      |       |       |       |      |     |               |      |      |       |       |    |      |     |               |      |      |        |       |     |      |     |               |      |      |       |       |     |      |     |               |      |      |        |       |      |      |     |               |





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|                                                      |                                  | <p>2. Panaikinta skaitiklio versija su papildoma laidine M-Bus arba impulsų išvesties sąsaja.</p> <p>3. Skaitikliams, kurių prijungimo būdas G 1 ir vardinis srautas <math>Q_3 = 2,5 \text{ m}^3/\text{h}</math>, slėgio nuostolių klasė iš <math>\Delta p 25</math> pakeista į <math>\Delta p 16</math>.</p> <p>4. Skaitikliams, kurių prijungimo būdas G 1 ir vardinis srautas <math>Q_3 = 4,0 \text{ m}^3/\text{h}</math>, slėgio nuostolių klasė iš <math>\Delta p 40</math> pakeista į <math>\Delta p 25</math>.</p> <p>5. Papildomas techninis aprašas skaitikliams <math>Q_3 = 6,3 \text{ m}^3/\text{h}</math> ir <math>Q_3 = 10 \text{ m}^3/\text{h}</math>: PL_QW1DN25-32_V01, išleistas 2020-10-19.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |              |                  |                       |               |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| LT-1621-MI001-034<br>Šeštasis pataisytas leidimas    | 2021-01-20, Nr. LEI-12-MP-111.21 | <p>1. Skaitiklis papildytas šiomis naujomis modifikacijomis su srieginiu prijungimu G2:</p> <table><tr><th colspan="4">Srautas, <math>\text{m}^3/\text{h}</math></th><th rowspan="2">R, <math>Q_3/Q_1</math></th><th rowspan="2">Prijungimo būdas</th><th rowspan="2">Montavimo ilgis L, mm</th><th rowspan="2">Slėgio nuostolių klasė</th></tr><tr><th><math>Q_3</math></th><th><math>Q_4</math></th><th><math>Q_1</math></th><th><math>Q_2</math></th></tr><tr><td>10,0</td><td>12,5</td><td>0,125</td><td>0,200</td><td>80</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,0625</td><td>0,100</td><td>160</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>10,0</td><td>12,5</td><td>0,040</td><td>0,064</td><td>250</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>16,0</td><td>20,0</td><td>0,200</td><td>0,320</td><td>80</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>16,0</td><td>20,0</td><td>0,100</td><td>0,160</td><td>160</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>16,0</td><td>20,0</td><td>0,064</td><td>0,102</td><td>250</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>16,0</td><td>20,0</td><td>0,040</td><td>0,064</td><td>400</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>25,0</td><td>31,25</td><td>0,3125</td><td>0,500</td><td>80</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>25,0</td><td>31,25</td><td>0,156</td><td>0,250</td><td>160</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>25,0</td><td>31,25</td><td>0,100</td><td>0,160</td><td>250</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>25,0</td><td>31,25</td><td>0,0625</td><td>0,100</td><td>400</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr><tr><td>25,0</td><td>31,25</td><td>0,0312</td><td>0,050</td><td>800*</td><td>G 2</td><td>300</td><td><math>\Delta p 16</math></td></tr></table> <p>Pastaba: * – šis srautų santykis galioja tik skaitikliams temperatūros klasės T30.</p> <p>2. Papildomas duomenų perdavimo protokolas CoAP skaitiklio ryšio sąsajoms.</p> <p>3. Papildoma programinės įrangos versija skaitikliams su srieginiu prijungimu G2. Versijos numeris yra 1.02.</p> <p>4. Papildomas techninis aprašas skaitikliams su srieginiu prijungimu G2: : PL_QW1DN40_V01, išleistas 2021-01-20.</p> | Srautas, $\text{m}^3/\text{h}$ |              |                  |                       | R, $Q_3/Q_1$  | Prijungimo būdas | Montavimo ilgis L, mm | Slėgio nuostolių klasė | $Q_3$                  | $Q_4$ | $Q_1$ | $Q_2$ | 10,0 | 12,5 | 0,125 | 0,200 | 80 | G 2 | 300 | $\Delta p 16$ | 10,0 | 12,5 | 0,0625 | 0,100 | 160 | G 2 | 300 | $\Delta p 16$ | 10,0 | 12,5 | 0,040 | 0,064 | 250 | G 2 | 300 | $\Delta p 16$ | 16,0 | 20,0 | 0,200 | 0,320 | 80 | G 2 | 300 | $\Delta p 16$ | 16,0 | 20,0 | 0,100 | 0,160 | 160 | G 2 | 300 | $\Delta p 16$ | 16,0 | 20,0 | 0,064 | 0,102 | 250 | G 2 | 300 | $\Delta p 16$ | 16,0 | 20,0 | 0,040 | 0,064 | 400 | G 2 | 300 | $\Delta p 16$ | 25,0 | 31,25 | 0,3125 | 0,500 | 80 | G 2 | 300 | $\Delta p 16$ | 25,0 | 31,25 | 0,156 | 0,250 | 160 | G 2 | 300 | $\Delta p 16$ | 25,0 | 31,25 | 0,100 | 0,160 | 250 | G 2 | 300 | $\Delta p 16$ | 25,0 | 31,25 | 0,0625 | 0,100 | 400 | G 2 | 300 | $\Delta p 16$ | 25,0 | 31,25 | 0,0312 | 0,050 | 800* | G 2 | 300 | $\Delta p 16$ |
| Srautas, $\text{m}^3/\text{h}$                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                | R, $Q_3/Q_1$ | Prijungimo būdas | Montavimo ilgis L, mm |               |                  |                       |                        | Slėgio nuostolių klasė |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| $Q_3$                                                | $Q_4$                            | $Q_1$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $Q_2$                          |              |                  |                       |               |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 10,0                                                 | 12,5                             | 0,125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,200                          | 80           | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 10,0                                                 | 12,5                             | 0,0625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0,100                          | 160          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 10,0                                                 | 12,5                             | 0,040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,064                          | 250          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 16,0                                                 | 20,0                             | 0,200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,320                          | 80           | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 16,0                                                 | 20,0                             | 0,100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,160                          | 160          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 16,0                                                 | 20,0                             | 0,064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,102                          | 250          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 16,0                                                 | 20,0                             | 0,040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,064                          | 400          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 25,0                                                 | 31,25                            | 0,3125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0,500                          | 80           | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 25,0                                                 | 31,25                            | 0,156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,250                          | 160          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 25,0                                                 | 31,25                            | 0,100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0,160                          | 250          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 25,0                                                 | 31,25                            | 0,0625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0,100                          | 400          | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| 25,0                                                 | 31,25                            | 0,0312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0,050                          | 800*         | G 2              | 300                   | $\Delta p 16$ |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |
| LT-1621-MI001-034<br>Septintasis pataisytas leidimas | 2021-05-25, Nr. LEI-12-MP-114.21 | <p>1. Skaitiklio ženklinimo etiketės su naujų platintojų ženklais (1p paveikslas).</p> <p>2. Naujas techninis aprašas visų dydžių skaitikliams: TM_QW1_V01_LT, išleistas 2021-05-05.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |                  |                       |               |                  |                       |                        |                        |       |       |       |      |      |       |       |    |     |     |               |      |      |        |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |    |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |      |       |       |     |     |     |               |      |       |        |       |    |     |     |               |      |       |       |       |     |     |     |               |      |       |       |       |     |     |     |               |      |       |        |       |     |     |     |               |      |       |        |       |      |     |     |               |





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|-----------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|------------------|-------------|--------------|------------------|-------------|-------------------------------------------------------------|-------------------------------------------------------------|----|----|----|----|------|-------|-------|----|------|-----|--------------|----|------|-------|-------|-----|------|-----|--------------|----|------|-------|-------|-----|------|-----|--------------|----|------|-------|-------|------|------|-----|--------------|----|-------|--------|-------|----|------|-----|--------------|----|-------|-------|-------|-----|------|-----|--------------|----|-------|-------|-------|-----|------|-----|--------------|----|-------|--------|-------|-----|------|-----|--------------|----|-------|--------|-------|------|------|-----|--------------|----|------|-------|-------|----|------|-----|--------------|----|------|-------|-------|-----|------|-----|--------------|----|------|-------|-------|-----|------|-----|--------------|----|------|-------|-------|-----|------|-----|--------------|----|------|-------|-------|------|------|-----|--------------|
| LT-1621-MI001-034<br>Aštuntasis pataisytas leidimas | 2021-06-14,<br>Nr. LEI-12-MP-115.21 | <p>1. Papildomas duomenų perdavimo protokolas W-M-Bus-T2 skaitiklio RF ryšio sąsajoms.</p> <p>2. Nauja programinės įrangos versija skaitikliams su srieginiu prijungimu G ¾, G 1, G 1¼, G 1½. Versijos numeris yra <b>1.03</b>.</p> <p>3. Dokumentas TM_QW1_V01_LT, išleistas 2021-05-05, pakeistas dokumentu TM_QW1_V02_LT, išleistu 2021-06-07.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |             |                  |             |              |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| LT-1621-MI001-034<br>Devintasis pataisytas leidimas | 2021-10-28,<br>Nr. LEI-12-MP-119.21 | <p>1. Papildoma dizaino versija skaitikliams su srieginiu prijungimu G ¾ ir G 1 („n“ dizaino versija).</p> <p>2. Filtro-sietelio sumontavimo galimybė skaitiklio įtekėjimo atvamzdyje. Informacija apie slėgio nuostolių klases skaitikliams su filtru.</p> <p>3. Atbulinio vožtuvo sumontavimo galimybė skaitiklio ištekėjimo atvamzdyje.</p> <p>4. Papildomos laidinio ryšio sąsajos: M-Bus ir/arba laidinė impulsų išvestis (specialiai užsakant).</p> <p>5. Skaitiklio ženklinimo etiketės su naujų platintojų ženklais (1 p paveikslas).</p> <p>6. Dokumentas TM_QW1_V02_LT, išleistas 2021-06-07, pakeistas dokumentu TM_QW1_V03_LT, išleistu 2021-10-18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                  |             |              |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| LT-1621-MI001-034<br>Dešimtas pataisytas leidimas   | 2021-12-10,<br>Nr. LEI-12-MP-116.21 | <p>1. Skaitiklis papildytas šiomis naujomis modifikacijomis su prijungimu jungėmis DN50:</p> <table><thead><tr><th colspan="4">Srautas, m³/h</th><th rowspan="2">R,<br/>Q₃/Q₁</th><th rowspan="2">Prijungimo būdas</th><th rowspan="2">Ilgis L, mm</th><th rowspan="2">Slėgio nuostolių klasė: be filtro/sumontavus filtrą-sietelį</th></tr><tr><th>Q₃</th><th>Q₄</th><th>Q₁</th><th>Q₂</th></tr></thead><tbody><tr><td>16</td><td>20,0</td><td>0,200</td><td>0,320</td><td>80</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>16</td><td>20,0</td><td>0,100</td><td>0,160</td><td>160</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>16</td><td>20,0</td><td>0,064</td><td>0,102</td><td>250</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>16</td><td>20,0</td><td>0,040</td><td>0,064</td><td>400*</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>25</td><td>31,25</td><td>0,3125</td><td>0,500</td><td>80</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>25</td><td>31,25</td><td>0,156</td><td>0,250</td><td>160</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>25</td><td>31,25</td><td>0,100</td><td>0,160</td><td>250</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>25</td><td>31,25</td><td>0,0625</td><td>0,100</td><td>400</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>25</td><td>31,25</td><td>0,0312</td><td>0,050</td><td>800*</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 16</td></tr><tr><td>40</td><td>50,0</td><td>0,500</td><td>0,800</td><td>80</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 40</td></tr><tr><td>40</td><td>50,0</td><td>0,250</td><td>0,400</td><td>160</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 40</td></tr><tr><td>40</td><td>50,0</td><td>0,160</td><td>0,256</td><td>250</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 40</td></tr><tr><td>40</td><td>50,0</td><td>0,100</td><td>0,160</td><td>400</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 40</td></tr><tr><td>40</td><td>50,0</td><td>0,050</td><td>0,080</td><td>800*</td><td>DN50</td><td>200</td><td>Δp 16/ Δp 40</td></tr></tbody></table> | Srautas, m³/h |             |                  |             | R,<br>Q₃/Q₁  | Prijungimo būdas | Ilgis L, mm | Slėgio nuostolių klasė: be filtro/sumontavus filtrą-sietelį | Q₃                                                          | Q₄ | Q₁ | Q₂ | 16 | 20,0 | 0,200 | 0,320 | 80 | DN50 | 200 | Δp 16/ Δp 16 | 16 | 20,0 | 0,100 | 0,160 | 160 | DN50 | 200 | Δp 16/ Δp 16 | 16 | 20,0 | 0,064 | 0,102 | 250 | DN50 | 200 | Δp 16/ Δp 16 | 16 | 20,0 | 0,040 | 0,064 | 400* | DN50 | 200 | Δp 16/ Δp 16 | 25 | 31,25 | 0,3125 | 0,500 | 80 | DN50 | 200 | Δp 16/ Δp 16 | 25 | 31,25 | 0,156 | 0,250 | 160 | DN50 | 200 | Δp 16/ Δp 16 | 25 | 31,25 | 0,100 | 0,160 | 250 | DN50 | 200 | Δp 16/ Δp 16 | 25 | 31,25 | 0,0625 | 0,100 | 400 | DN50 | 200 | Δp 16/ Δp 16 | 25 | 31,25 | 0,0312 | 0,050 | 800* | DN50 | 200 | Δp 16/ Δp 16 | 40 | 50,0 | 0,500 | 0,800 | 80 | DN50 | 200 | Δp 16/ Δp 40 | 40 | 50,0 | 0,250 | 0,400 | 160 | DN50 | 200 | Δp 16/ Δp 40 | 40 | 50,0 | 0,160 | 0,256 | 250 | DN50 | 200 | Δp 16/ Δp 40 | 40 | 50,0 | 0,100 | 0,160 | 400 | DN50 | 200 | Δp 16/ Δp 40 | 40 | 50,0 | 0,050 | 0,080 | 800* | DN50 | 200 | Δp 16/ Δp 40 |
| Srautas, m³/h                                       |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | R,<br>Q₃/Q₁ | Prijungimo būdas | Ilgis L, mm |              |                  |             |                                                             | Slėgio nuostolių klasė: be filtro/sumontavus filtrą-sietelį |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| Q₃                                                  | Q₄                                  | Q₁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Q₂            |             |                  |             |              |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 16                                                  | 20,0                                | 0,200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,320         | 80          | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 16                                                  | 20,0                                | 0,100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,160         | 160         | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 16                                                  | 20,0                                | 0,064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,102         | 250         | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 16                                                  | 20,0                                | 0,040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,064         | 400*        | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 25                                                  | 31,25                               | 0,3125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,500         | 80          | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 25                                                  | 31,25                               | 0,156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,250         | 160         | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 25                                                  | 31,25                               | 0,100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,160         | 250         | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 25                                                  | 31,25                               | 0,0625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,100         | 400         | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 25                                                  | 31,25                               | 0,0312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0,050         | 800*        | DN50             | 200         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 40                                                  | 50,0                                | 0,500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,800         | 80          | DN50             | 200         | Δp 16/ Δp 40 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 40                                                  | 50,0                                | 0,250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,400         | 160         | DN50             | 200         | Δp 16/ Δp 40 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 40                                                  | 50,0                                | 0,160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,256         | 250         | DN50             | 200         | Δp 16/ Δp 40 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 40                                                  | 50,0                                | 0,100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,160         | 400         | DN50             | 200         | Δp 16/ Δp 40 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |
| 40                                                  | 50,0                                | 0,050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,080         | 800*        | DN50             | 200         | Δp 16/ Δp 40 |                  |             |                                                             |                                                             |    |    |    |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |    |       |        |       |    |      |     |              |    |       |       |       |     |      |     |              |    |       |       |       |     |      |     |              |    |       |        |       |     |      |     |              |    |       |        |       |      |      |     |              |    |      |       |       |    |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |     |      |     |              |    |      |       |       |      |      |     |              |



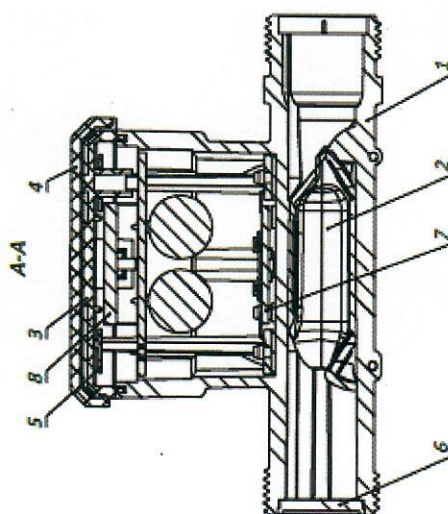
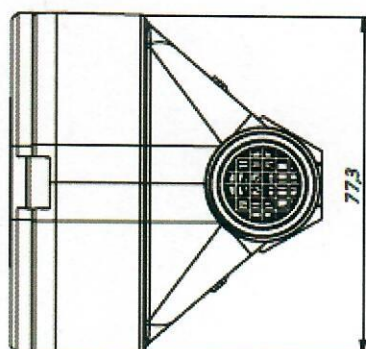
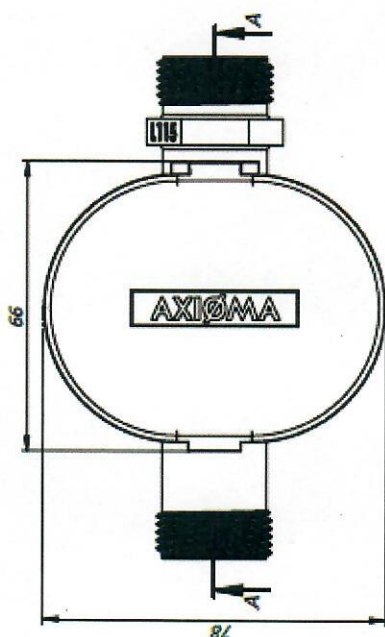
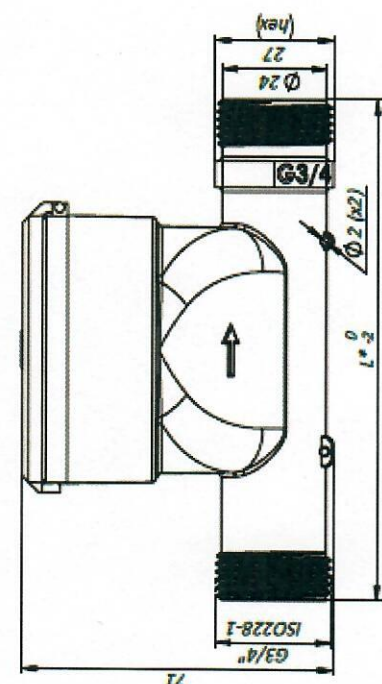


| 1                                                       | 2                                   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |             |                  |             |              |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
|---------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|------------------|-------------|--------------|------------------|-------------|-------------------------------------------------------------|-------------------------------------------------------------|----|----|----|-----|------|-------|-------|------|-----|------|--------------|-----|-----|-------|-------|-----|--------------|-----|-----|--------|-------|-----|--------------|-----|-----|-------|-------|-----|--------------|-----|-----|-------|--------|-----|--------------|-----|-------|-------|-------|----|--------------|-----|-------|--------|-------|-----|--------------|-----|-------|-------|-------|-----|--------------|-----|-------|--------|-------|-----|--------------|-----|-------|--------|-------|-----|--------------|
|                                                         |                                     | <p>2. Skaitiklis papildytas šia nauja modifikacija su srieginiu prijungimu G2:</p> <table><tr><th colspan="4">Srautas, m³/h</th><th rowspan="2">R,<br/>Q₃/Q₁</th><th rowspan="2">Prijungimo būdas</th><th rowspan="2">Ilgis L, mm</th><th rowspan="2">Slėgio nuostolių klasė: be filtro/sumontavus filtra-sietelį</th></tr><tr><th>Q₃</th><th>Q₄</th><th>Q₁</th><th>Q₂</th></tr><tr><td>16</td><td>20,0</td><td>0,020</td><td>0,032</td><td>800*</td><td>G 2</td><td>300</td><td>Δp 16/ Δp 16</td></tr></table> <p>Pastaba: * – šis srautų santykis galioja tik skaitikliams temperatūros klasės T30.</p> <p>3. Nauja programinės įrangos versija <b>2.02</b> skaitikliams su srieginiu prijungimu G 2.</p> <p>4. Dokumentas TM_QW1_V03_LT, išleistas 2021-10-18, pakeistas dokumentu TM_QW1_V04_LT, išleistu 2021-12-07.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Srautas, m³/h |             |                  |             | R,<br>Q₃/Q₁  | Prijungimo būdas | Ilgis L, mm | Slėgio nuostolių klasė: be filtro/sumontavus filtra-sietelį | Q₃                                                          | Q₄ | Q₁ | Q₂ | 16  | 20,0 | 0,020 | 0,032 | 800* | G 2 | 300  | Δp 16/ Δp 16 |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| Srautas, m³/h                                           |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | R,<br>Q₃/Q₁ | Prijungimo būdas | Ilgis L, mm |              |                  |             |                                                             | Slėgio nuostolių klasė: be filtro/sumontavus filtra-sietelį |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| Q₃                                                      | Q₄                                  | Q₁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Q₂            |             |                  |             |              |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 16                                                      | 20,0                                | 0,020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,032         | 800*        | G 2              | 300         | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| LT-1621-MI001-034<br>Vienuoliktasis pataisytas leidimas | 2022-03-10,<br>Nr. LEI-12-MP-123.22 | <p>1. Skaitiklis papildytas šia nauja modifikacija ilgio l = 115 mm:</p> <table><tr><th colspan="4">Srautas, m³/h</th><th rowspan="2">R,<br/>Q₃/Q₁</th><th rowspan="2">Prijungimo būdas</th><th rowspan="2">Ilgis L, mm</th><th rowspan="2">Slėgio nuostolių klasė: be filtro/sumontavus filtra-sietelį</th></tr><tr><th>Q₃</th><th>Q₄</th><th>Q₁</th><th>Q₂</th></tr><tr><td>1,6</td><td>2,0</td><td>0,020</td><td>0,032</td><td>80</td><td rowspan="10">G ¾</td><td rowspan="10">115*</td><td>Δp 16/ Δp 16</td></tr><tr><td>1,6</td><td>2,0</td><td>0,010</td><td>0,016</td><td>160</td><td>Δp 16/ Δp 16</td></tr><tr><td>1,6</td><td>2,0</td><td>0,0064</td><td>0,010</td><td>250</td><td>Δp 16/ Δp 16</td></tr><tr><td>1,6</td><td>2,0</td><td>0,005</td><td>0,008</td><td>315</td><td>Δp 16/ Δp 16</td></tr><tr><td>1,6</td><td>2,0</td><td>0,004</td><td>0,0064</td><td>400</td><td>Δp 16/ Δp 16</td></tr><tr><td>2,5</td><td>3,125</td><td>0,031</td><td>0,050</td><td>80</td><td>Δp 25/ Δp 25</td></tr><tr><td>2,5</td><td>3,125</td><td>0,0156</td><td>0,025</td><td>160</td><td>Δp 25/ Δp 25</td></tr><tr><td>2,5</td><td>3,125</td><td>0,010</td><td>0,016</td><td>250</td><td>Δp 25/ Δp 25</td></tr><tr><td>2,5</td><td>3,125</td><td>0,0062</td><td>0,010</td><td>400</td><td>Δp 25/ Δp 25</td></tr><tr><td>2,5</td><td>3,125</td><td>0,0031</td><td>0,005</td><td>800</td><td>Δp 25/ Δp 25</td></tr></table> <p>Pastaba: * – skaitikliai gaminami tik pirminio dizaino versijos</p> <p>2. Skaitiklio ženklavimo etiketės su naujų platintojų ženklais (1 p paveikslas – platintojai AQUAS NUEVAS, EWA, IREN, VandCenterSyd).</p> <p>4. Dokumentas TM_QW1_V04_LT, išleistas 2021-12-07, pakeistas dokumentu TM_QW1_V05_LT, išleistu 2022-01-11.</p> | Srautas, m³/h |             |                  |             | R,<br>Q₃/Q₁  | Prijungimo būdas | Ilgis L, mm | Slėgio nuostolių klasė: be filtro/sumontavus filtra-sietelį | Q₃                                                          | Q₄ | Q₁ | Q₂ | 1,6 | 2,0  | 0,020 | 0,032 | 80   | G ¾ | 115* | Δp 16/ Δp 16 | 1,6 | 2,0 | 0,010 | 0,016 | 160 | Δp 16/ Δp 16 | 1,6 | 2,0 | 0,0064 | 0,010 | 250 | Δp 16/ Δp 16 | 1,6 | 2,0 | 0,005 | 0,008 | 315 | Δp 16/ Δp 16 | 1,6 | 2,0 | 0,004 | 0,0064 | 400 | Δp 16/ Δp 16 | 2,5 | 3,125 | 0,031 | 0,050 | 80 | Δp 25/ Δp 25 | 2,5 | 3,125 | 0,0156 | 0,025 | 160 | Δp 25/ Δp 25 | 2,5 | 3,125 | 0,010 | 0,016 | 250 | Δp 25/ Δp 25 | 2,5 | 3,125 | 0,0062 | 0,010 | 400 | Δp 25/ Δp 25 | 2,5 | 3,125 | 0,0031 | 0,005 | 800 | Δp 25/ Δp 25 |
| Srautas, m³/h                                           |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | R,<br>Q₃/Q₁ | Prijungimo būdas | Ilgis L, mm |              |                  |             |                                                             | Slėgio nuostolių klasė: be filtro/sumontavus filtra-sietelį |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| Q₃                                                      | Q₄                                  | Q₁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Q₂            |             |                  |             |              |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 1,6                                                     | 2,0                                 | 0,020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,032         | 80          | G ¾              | 115*        | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 1,6                                                     | 2,0                                 | 0,010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,016         | 160         |                  |             | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 1,6                                                     | 2,0                                 | 0,0064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0,010         | 250         |                  |             | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 1,6                                                     | 2,0                                 | 0,005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,008         | 315         |                  |             | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 1,6                                                     | 2,0                                 | 0,004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,0064        | 400         |                  |             | Δp 16/ Δp 16 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 2,5                                                     | 3,125                               | 0,031                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,050         | 80          |                  |             | Δp 25/ Δp 25 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 2,5                                                     | 3,125                               | 0,0156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0,025         | 160         |                  |             | Δp 25/ Δp 25 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 2,5                                                     | 3,125                               | 0,010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0,016         | 250         |                  |             | Δp 25/ Δp 25 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 2,5                                                     | 3,125                               | 0,0062                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0,010         | 400         |                  |             | Δp 25/ Δp 25 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |
| 2,5                                                     | 3,125                               | 0,0031                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0,005         | 800         |                  |             | Δp 25/ Δp 25 |                  |             |                                                             |                                                             |    |    |    |     |      |       |       |      |     |      |              |     |     |       |       |     |              |     |     |        |       |     |              |     |     |       |       |     |              |     |     |       |        |     |              |     |       |       |       |    |              |     |       |        |       |     |              |     |       |       |       |     |              |     |       |        |       |     |              |     |       |        |       |     |              |



| Pos. | Description            | Qty. |
|------|------------------------|------|
| 1    | Housing DN15           | 1    |
| 2    | Insert assembly (DN15) | 1    |
| 3    | Top cover              | 1    |
| 4    | Top cover lid          | 1    |
| 5    | Antenna                | 1    |
| 6    | Strainer D20           | 1    |
| 7    | SMP bottom assembly    | 1    |
| 8    | SMP top assembly       | 1    |

| Configuration | L (length,mm) |
|---------------|---------------|
| DN15 L80      | 80            |
| DN15 L105     | 105           |
| DN15 L110     | 110           |
| DN15 L115     | 115           |
| DN15 L165     | 165           |
| DN15 L170     | 170           |

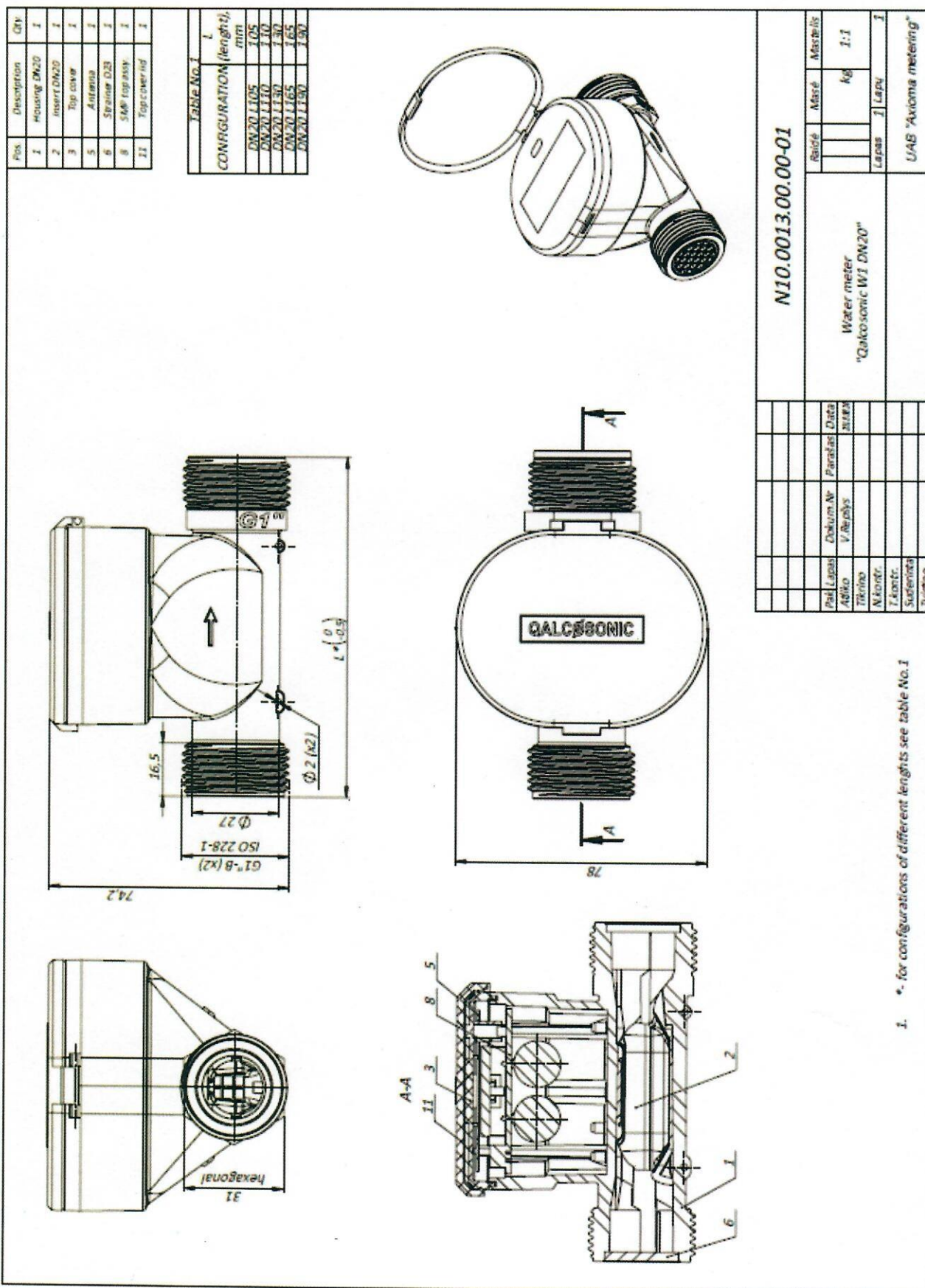


- configurations of different lengths - see table No. 1

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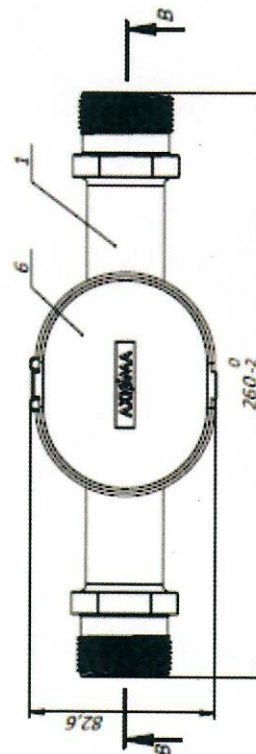
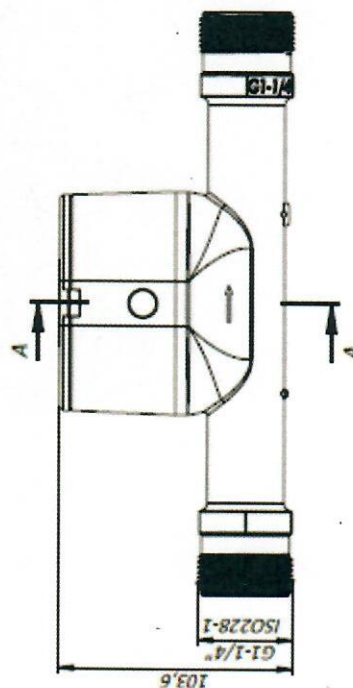
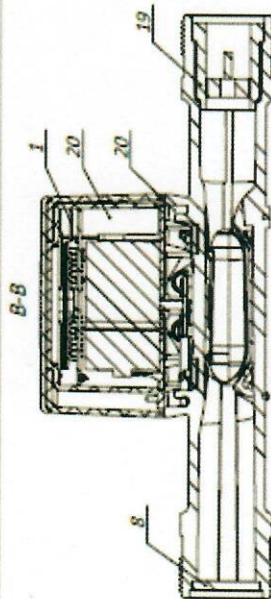
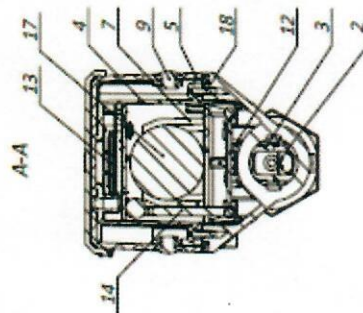


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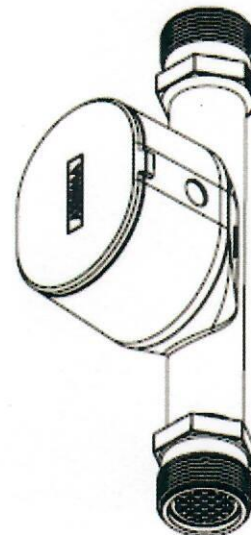
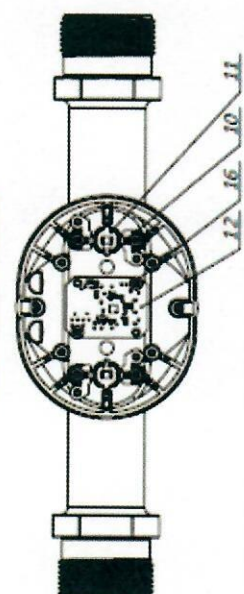




| Poz. | PartNo               | Description        | Qty. |
|------|----------------------|--------------------|------|
| 1    | N14.0010.00.01-03    | Housing DN25 L260  | 1    |
| 2    | N14.0011.01.01-03    | Insert DN25 bottom | 1    |
| 3    | N14.0011.02.01-03    | Insert DN25 Top    | 1    |
| 4    | N10.0033.02.01-03    | Inner shell        | 1    |
| 5    | N10.0033.02.02-02    | Outer shell        | 1    |
| 6    | N10.0033.00.05-03    | Cover Lid          | 1    |
| 7    | N10.0033.02.02-00    | Battery holder     | 1    |
| 8    | N14.0013.00.06-00    | Strainer DN25      | 1    |
| 9    | N14.0010.03.05       | Plastic rivet      | 2    |
| 10   | N10.0033.00.03-02    | Steel metal spring | 2    |
| 11   | N10.0033.00.04-00    | PCB plate 10mm     | 2    |
| 12   | N10.0001.05.00-02    | SVP bottomassy.    | 1    |
| 13   | N10.0033.00.02-04-00 | Top PCB            | 1    |
| 14   | -                    | Cable              | 1    |
| 15   | N10.0033.02.07-00    | Antenna            | 1    |
| 16   | 3P39A0300070         | Screw 3Dx7         | 8    |
| 17   | -                    | D-Cell battery     | 1    |
| 18   | SF39A0350100E        | Screw 3.5x10 inox  | 2    |
| 19   | WM25-N149025600      | Checkvalve "Wafig" | 1    |
| 20   | -                    | Painting compound  |      |



View without top parts



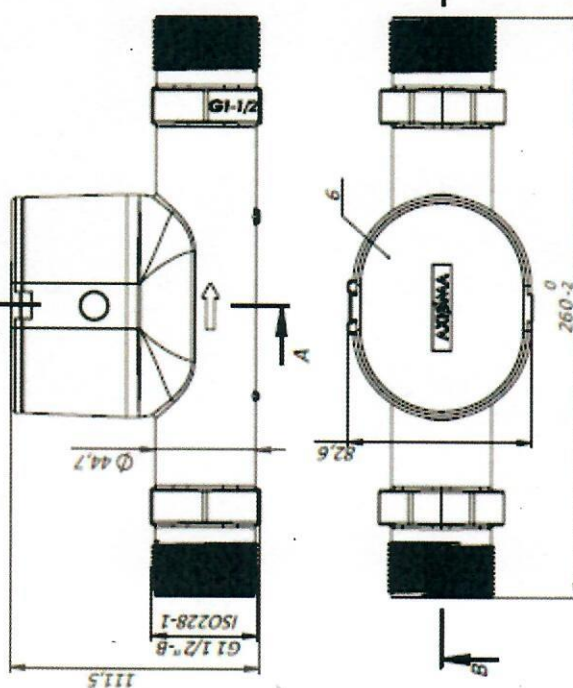
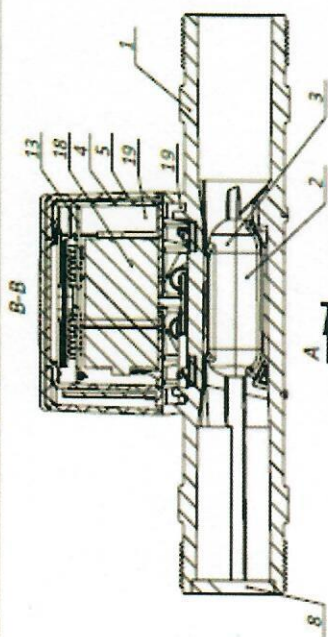
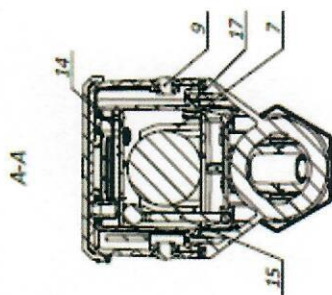
| DESIGN AND<br>CONSTRUCTION<br>REVISION | DATE | REVISION |
|----------------------------------------|------|----------|
| AXIOMA                                 |      |          |
| Water meter "W1 DN25 L260"             |      |          |
| 1:2                                    |      |          |
| A3                                     |      |          |
| N14.0010.00.00-00                      |      |          |
| SCALE 1:2                              |      |          |

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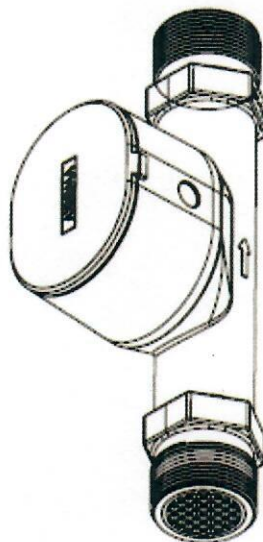
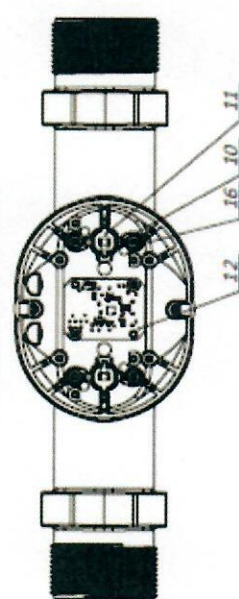




| Pos. | PartNo              | Pavadinimas        | Qty. |
|------|---------------------|--------------------|------|
| 1    | N10.0033.00.01.06   | Housing DN32 L260  | 1    |
| 2    | N10.0033.01.02.05   | Insert DN32 bottom | 1    |
| 3    | N10.0033.01.01.04   | Insert DN32 top    | 1    |
| 4    | N10.0033.02.01.03   | Inner shell        | 1    |
| 5    | N10.0033.00.02.02   | Outer shell        | 1    |
| 6    | N10.0033.00.05.00   | Cover lid          | 1    |
| 7    | N10.0033.02.02.00   | Battery holder     | 1    |
| 8    | N10.0033.00.05.00   | Strainer DN32      | 1    |
| 9    | N14.0010.03.05      | Plastic rivet      | 2    |
| 10   | N10.0033.00.03.02   | Sheet metal spring | 2    |
| 11   | N10.0033.00.04.00   | PCB plate 10mm     | 2    |
| 12   | N10.0001.05.00.02   | SVP bottomassy.    | 1    |
| 13   | N10.0033.00.02.0400 | Top PCB            | 1    |
| 14   | N10.0033.02.07.00   | Antenna            | 1    |
| 15   | -                   | Cable              | 1    |
| 16   | 3739A-0300070       | Screw 3.0x7        | 8    |
| 17   | 3739A-0300100E      | Screw 3.5x10 Inox  | 2    |
| 18   | -                   | D-Cell battery     | 1    |
| 19   | -                   | Poling compound    | 1    |



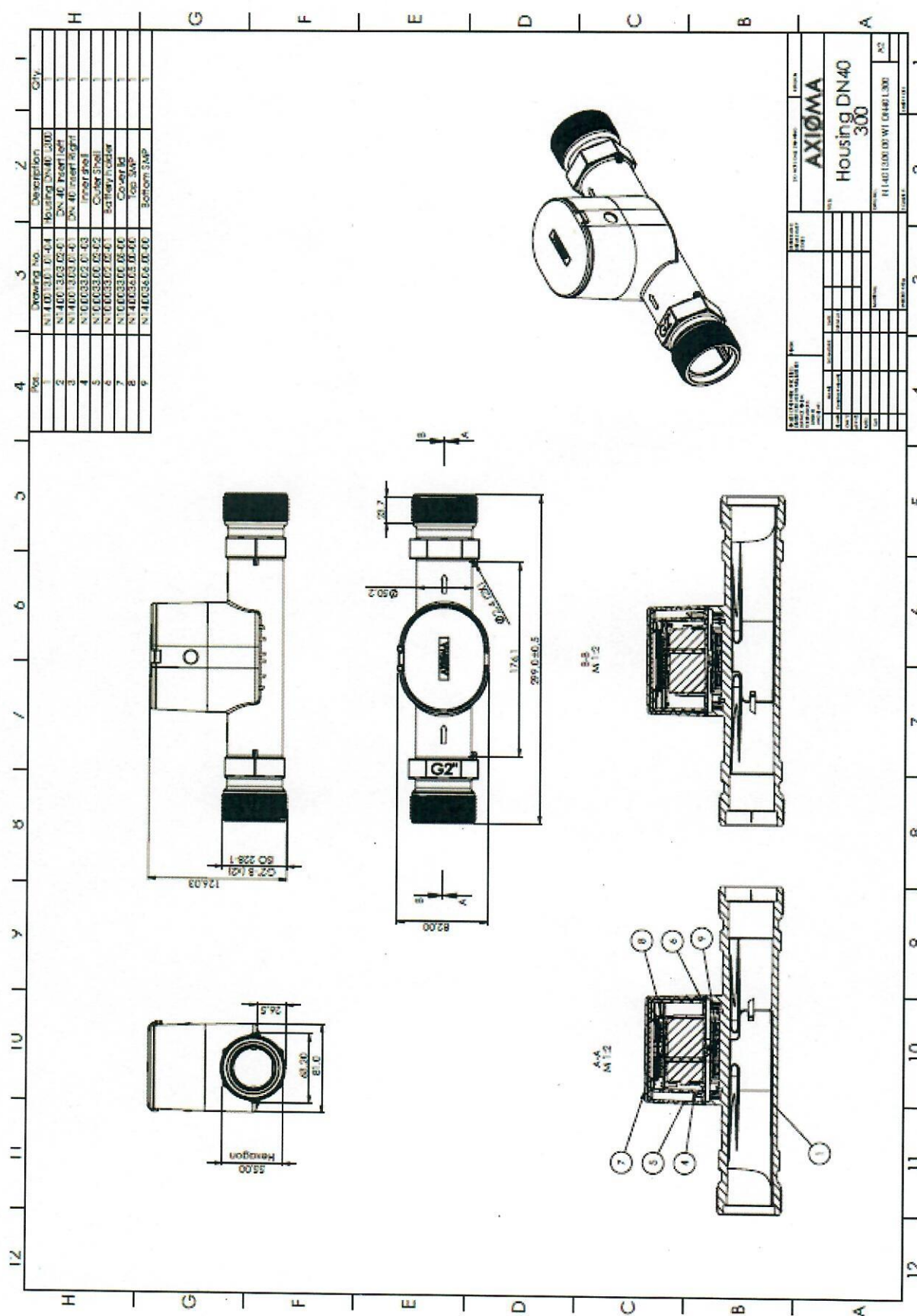
View without top parts



| DESIGN                        | NAME                 | DATE          | REVISION          |
|-------------------------------|----------------------|---------------|-------------------|
| DESIGNED BY: [blank]          | DESIGNED BY: [blank] | DATE: [blank] | REVISION: [blank] |
| CHECKED BY: [blank]           | CHECKED BY: [blank]  | DATE: [blank] | REVISION: [blank] |
| APPROVED BY: [blank]          | APPROVED BY: [blank] | DATE: [blank] | REVISION: [blank] |
| AXIOMA                        |                      |               |                   |
| Water meter "W1 DN32 L260"    |                      |               |                   |
| Scale: 1:2                    |                      |               |                   |
| Drawing No: N10.0033.00.00-00 |                      |               |                   |
| Sheet No: A3                  |                      |               |                   |

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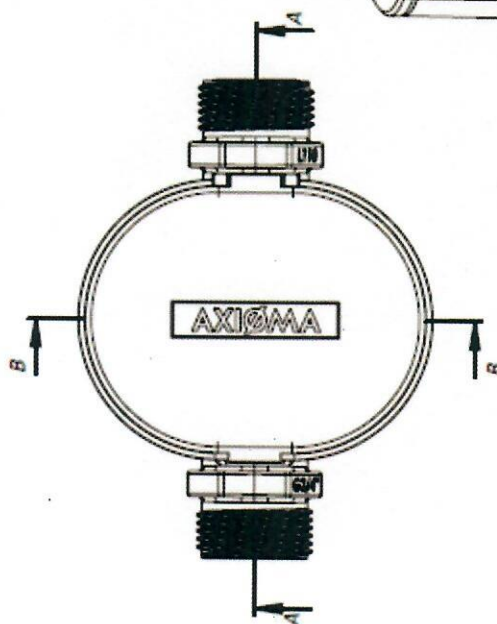
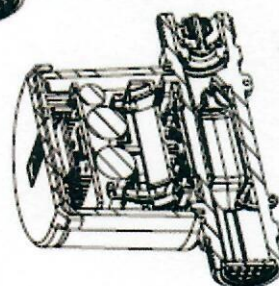
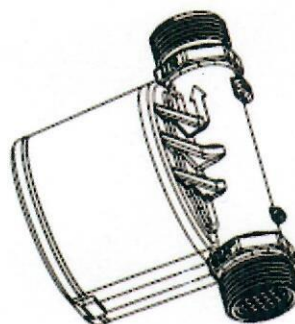
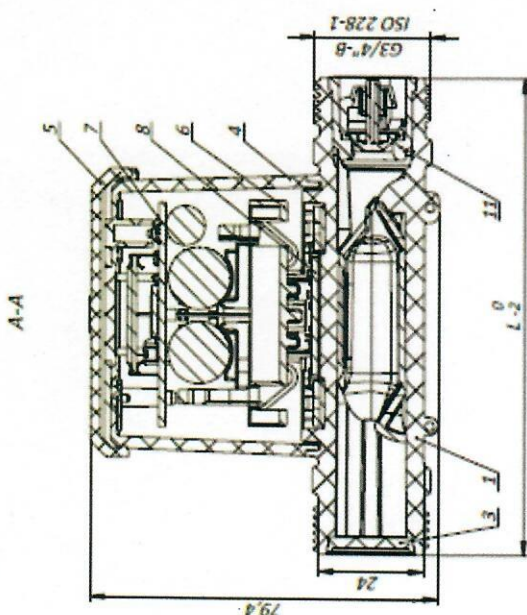
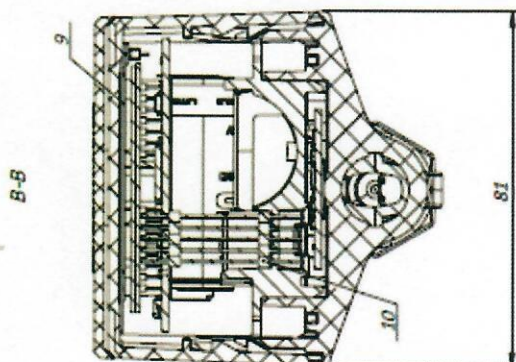


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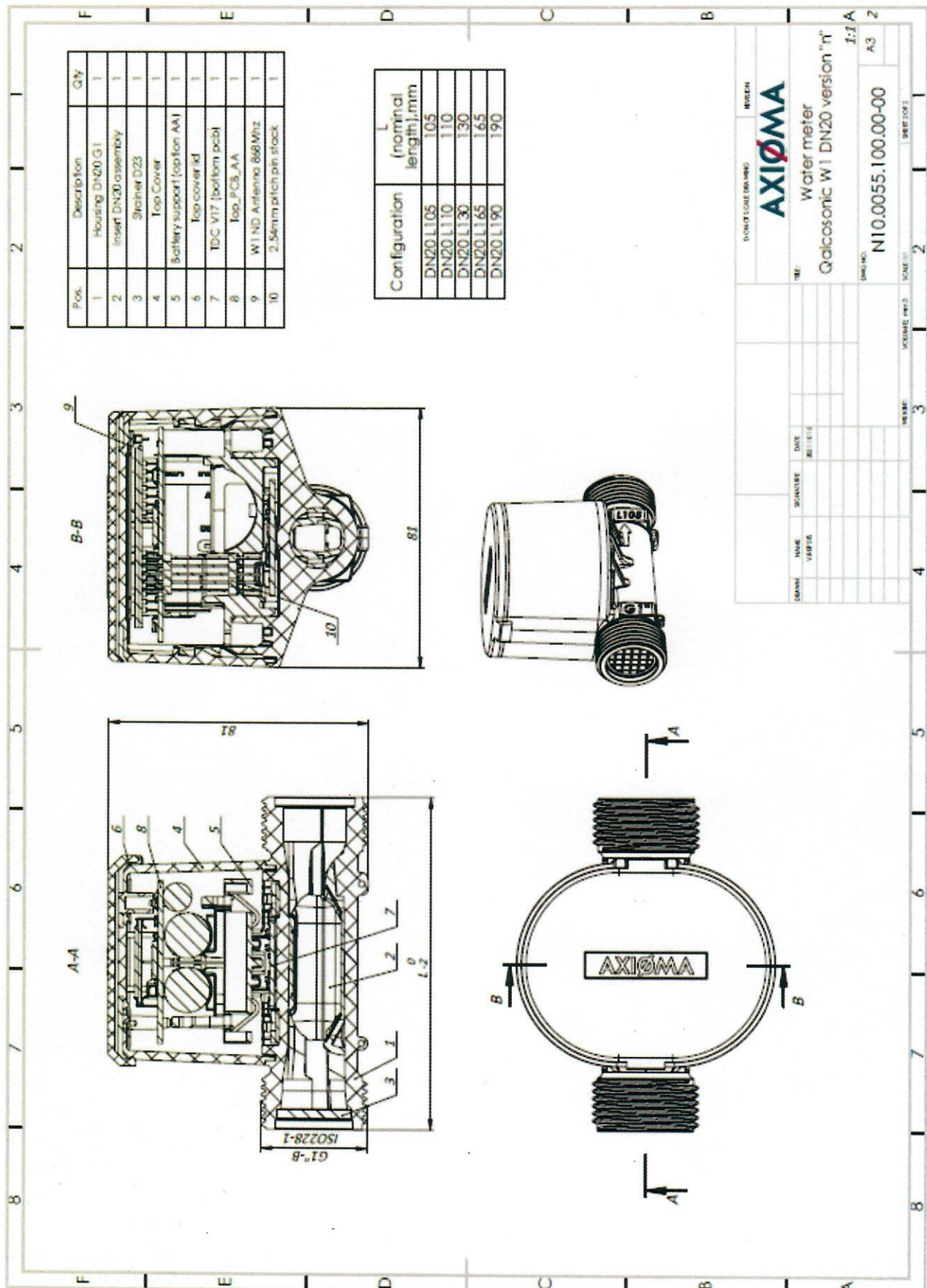


| Pos. | Description                                   | Qty. |
|------|-----------------------------------------------|------|
| 1    | Housing DN15 G3/4                             | 1    |
| 2    | Insert DN15 assembly                          | 1    |
| 3    | Strainer D20                                  | 1    |
| 4    | Top Cover                                     | 1    |
| 5    | Top cover lid                                 | 1    |
| 6    | Battery support (top/bottom AA)               | 1    |
| 7    | Top_PCB_AA                                    | 1    |
| 8    | TDC V17 (bottom pcb)                          | 1    |
| 9    | W1 ND Antenna 868Mhz                          | 1    |
| 10   | 2.54mm pitch pin stack                        | 1    |
| 11   | Non return valve<br>(WATTS_WM015-WI 49015600) | 1    |

| Configuration | L<br>(nominal<br>length), mm |
|---------------|------------------------------|
| DN15L105      | 105                          |
| DN15L110      | 110                          |
| DN15L165      | 165                          |
| DN15L170      | 170                          |

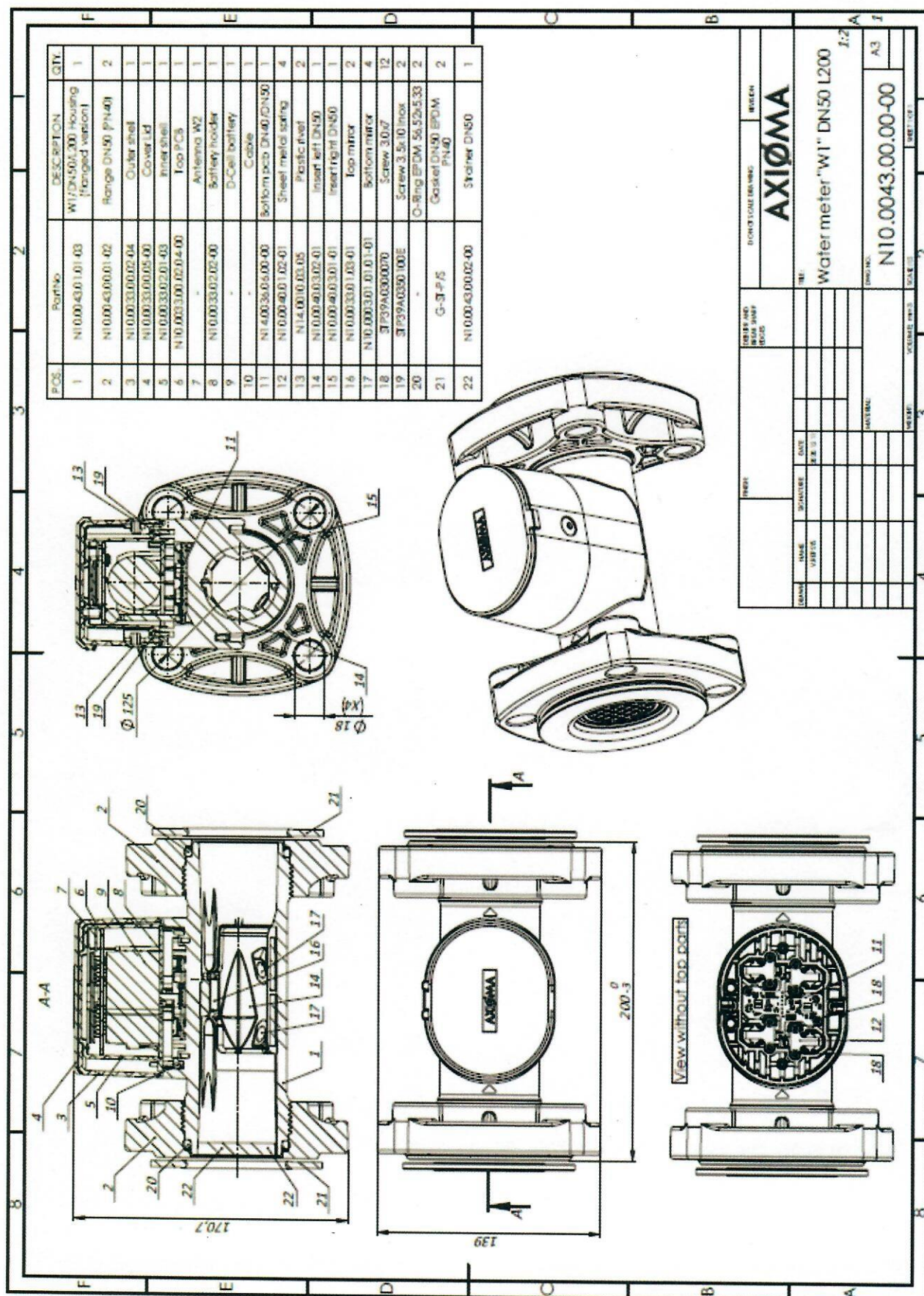
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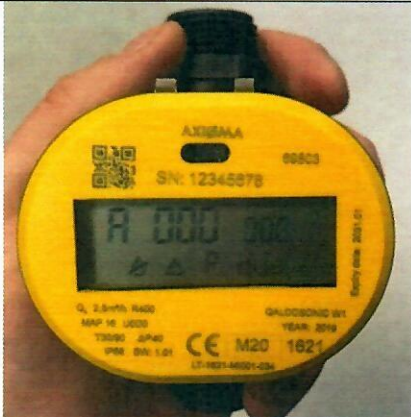
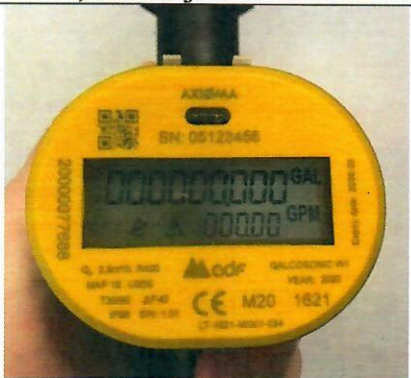
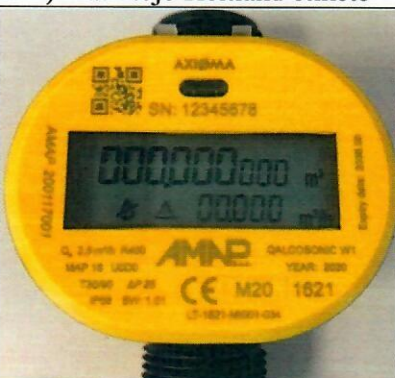
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|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| 1) Platintojo Neovac etiketė                                                        | 2) Platintojo DIAM etiketė                                                           |
|   |   |
| 3) Platintojo HT GROUP etiketė                                                      | 4) Platintojo Heitland etiketė                                                       |
|  |  |
| 5) Platintojo ADF etiketė                                                           | 6) Platintojo AMAP etiketė                                                           |
|  |  |
| 7) Platintojo OSE etiketė                                                           | 8) Platintojo GSP etiketė                                                            |

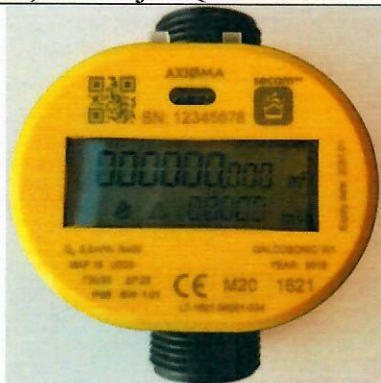




9) Platintojo EQUYSIS etiketė



10) Platintojo AQP etiketė



11) Platintojo SECAM etiketė



12) Platintojo RKG etiketė



13) Platintojo Hydro Control etiketė



14) Platintojo NSVA etiketė

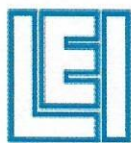


15) Platintojo VASYD etiketė



16) Platintojo ASIS etiketė





17) Platintojo VERTO etiketė



18) Platintojo ETRA etiketė



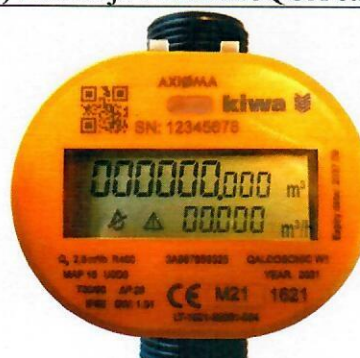
19) Platintojo KIWA etiketė



20) Platintojo PUBLIACQUA etiketė



21) Platintojo ASA etiketė



22) Platintojo Evides etiketė



23) Platintojo acea etiketė

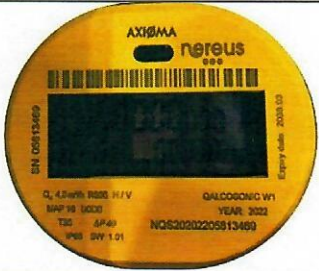
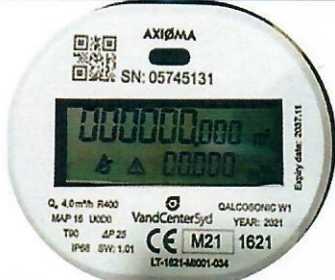


24) Platintojo APS etiketė

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|                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |
| 25) Platintojo AQUAS NUEVAS etiketė                                               | 26) Platintojo EWA etiketė                                                         |
|  |  |
| 27) Platintojo IREN etiketė                                                       | 28) Platintojo VandCenterSyd etiketė                                               |

1p pav. Skaitiklio etiketės su platintojų ženklais

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