CERTIFICATE

Product certificate
K91165/06

Issued *2023-02-15*

Replaces *K91165/05*

Water meters

STATEMENT BY KIWA
With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Elster Water Metering B.V.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline

BRL-K618: “Water meters” dated 2018-01-15 and **BRL-K618 [A1]** dated 2020-07-07

which embodies

EN-ISO 4064-1: 2017: “Water meters for cold potable water and hot water - Part 1: Metrological and technical requirements”.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

2871/80711

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Certification process consists of initial and regular assessment of:
- **quality system**
- **product**

Water meters

PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

Single-jet dry runner
S150, DN15, Q3 = 2,5 m³/h, (Q3/Q1) ≤ 160
S150, DN15, Q3 = 4,0 m³/h, (Q3/Q1) ≤ 160

S220, DN 20, Q3 = 2,5 m³/h, (Q3/Q1) ≤ 250
S220, DN 20, Q3 = 4,0 m³/h, (Q3/Q1) ≤ 250

Woltman Water meters
H4000
DN40
Q3 = 25m3/h, 40 ≤ (Q3/Q1) ≤50
Q3 = 40m3/h, 50 ≤ (Q3/Q1) ≤80
Q3 = 63m3/h, 63 ≤ (Q3/Q1) ≤125

DN50
Q3 = 25m3/h, 40 ≤ (Q3/Q1) ≤50
Q3 = 40m3/h, 50 ≤ (Q3/Q1) ≤80
Q3 = 63m3/h, 63 ≤ (Q3/Q1) ≤125

DN65
Q3 = 40m3/h, (Q3/Q1) = 40
Q3 = 63m3/h, 50≤ (Q3/Q1) ≤63

DN80/100/125
Q3 = 63m3/h, 40 ≤ (Q3/Q1) ≤50
Q3 = 100m3/h, 50 ≤ (Q3/Q1) ≤80
Q3 = 160m3/hr, 50 ≤ (Q3/Q1) ≤125

DN150
Q3 = 160m3/h, 40 ≤ (Q3/Q1) ≤80
Q3 = 250m3/h, 50 ≤ (Q3/Q1) ≤125
Q3 = 400m3/h, 80 ≤ (Q3/Q1) ≤200

DN200
Q3 = 250m3/h, 40 ≤ (Q3/Q1) ≤80
Q3 = 400m3/h, 50 ≤ (Q3/Q1) ≤100
Q3 = 630m3/h, 80 ≤ (Q3/Q1) ≤160

DN250
Q3 = 1.000m3/h, 80 ≤ (Q3/Q1) ≤160

DN300
Q3 = 1.600m3/hr, 80 ≤ (Q3/Q1) ≤125

H5000
DN 40,
Q3 = 10 m³/h, 100 ≤ (Q3/Q1) ≤ 250
Q3 = 16 m³/h, 100 ≤ (Q3/Q1) ≤ 400
Q3 = 25 m³/h, 100 ≤ (Q3/Q1) ≤ 630
Q3 = 40 m³/h, 100 ≤ (Q3/Q1) ≤ 1000

DN 50, DN 65 and DN 80 LF
Q3 = 10 m³/h, 100 ≤ (Q3/Q1) ≤ 250
Q3 = 16 m³/h, 100 ≤ (Q3/Q1) ≤ 400
Q3 = 25 m³/h, 100 ≤ (Q3/Q1) ≤ 630
Q3 = 40 m³/h, 100 ≤ (Q3/Q1) ≤ 1000

Water meters

Q3 = 63 m³/h, 100 ≤ (Q3/Q1) ≤ 1600

DN80, DN100, DN 125 and DN 150LF
Q3 = 10 m³/h, (Q3/Q1) 100 and 125
Q3 = 16 m³/h, 100 ≤ (Q3/Q1) ≤ 200
Q3 = 25 m³/h, 100 ≤ (Q3/Q1) ≤ 315
Q3 = 40 m³/h, 100 ≤ (Q3/Q1) ≤ 500
Q3 = 63 m³/h, 100 ≤ (Q3/Q1) ≤ 800
Q3 = 100 m³/h, 100 ≤ (Q3/Q1) ≤ 1250
Q3 = 160 m³/h, 100 ≤ (Q3/Q1) ≤ 2000

M100 & M100i Water meters
DN15, DN 20, DN25, DN32, DN40 and DN50
Q3 = 2,5m3/h, 40 ≤ (Q3/Q1) ≤160
Q3 = 4,0m3/h, 40 ≤ (Q3/Q1) ≤160
Q3 = 6,3m3/h, 40 ≤ (Q3/Q1) ≤160
Q3 = 10m3/h, 40 ≤ (Q3/Q1) ≤160
Q3 = 16m3/h, 40 ≤ (Q3/Q1) ≤160
Q3 = 25m3/h, 40 ≤ (Q3/Q1) ≤160

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (“Materials and chemicals in the supply of drinking water and warm tap water Regulation” dated 01-07-2017; published in the Government
Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed ‘appendix hygienic aspects’ to this certificate.

MARKING

The Kiwa®-mark products are marked with the word mark "KIWA"
Place of the mark: on the meter or identification plate

Compulsory specifications:
• unit of measurement: cubic metre ;
• the numerical value of Q3 ;
• the ratio Q3/Q1, preceded by “R”;
• the ratio Q2/Q1, where it differs from 1,6 ;
• the MAP if it differs from 1 MPa (10 bar)2) ;
• direction of flow (shown on both sides of the body);
• the letter ‘V’ or ‘H’, if the meter can only be operated in the vertical or horizontal position;
• the MAT, where it differs from T30;
• pressure loss class, where it differs from ΔP 63 ;
• classes on sensitivity to irregularities in velocity field) ;
• the name or trademark of the manufacturer: “Elster” or “Honeywell”;
• year of manufacture (last 2 digits) and serial number (as near as possible to the indicating device);
• the pattern approval sign according to European regulations;
• climatic and mechanical environment severity level); •EMC Class) .

Method of marking:

- Non-erasable;
- visible after assembly.

Water meters

APPLICATION AND USE

The products are intended to be used in closed and filled drinking water installations in order to measure the quantities of water flowing through per unit of time and totalised, with a maximum water temperature of 50 ℃.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Elster Water Metering B.V.

and, if necessary,

- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.