CERTIFICATE

Product certificate
K83356-6

Issued *2025-01-01*

Replaces *K83356/05*

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

Itron Nederland 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

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
Director
Kiwa

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

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

PRODUCTS RvA C 002

Water meters

PRODUCT SPECIFICATION

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

Aquadis+ | brass body (P1, P1HR, P110+, P111+, P290+)

- Volume meter
- TVM (copper) or TSN (plastic) counting mechanism
- Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 800
- Continuous flow Q_3 = 6,3 m³/h, R (Q_3/Q_1) ≤ 315
- Continuous flow Q_3 = 10 m³/h, R (Q_3/Q_1) ≤ 315
- Continuous flow Q_3 = 16 m³/h, R (Q_3/Q_1) ≤ 315

Aquadis+ | composite body (P1, P1HR)

- Volume meter
- TVM (copper) or TSN (plastic) counting mechanism
- Continuous flow Q_3 = 1,6 m³/h, R (Q_3/Q_1) ≤ 500
- Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 800

Aquadis+ | Brass body (P50)

- Volume meter
- TVM (copper) or TSN (plastic) counting mechanism
- Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 250
- Continuous flow Q_3 = 4 m³/h, R (Q_3/Q_1) ≤ 400

Flodis | Brass body

- Velocity meter, single jet
- TVM (copper) or TSN (plastic) counting mechanism
- Continuous flow Q_3 = 1,6 m³/h, R (Q_3/Q_1) ≤ 125 (DN 15)
- Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 200 (DN 15)
- Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 100 (DN 20)
- Continuous flow Q_3 = 4 m³/h, R (Q_3/Q_1) ≤ 160 (DN 20)
- Continuous flow Q_3 = 6,3 m³/h, R (Q_3/Q_1) ≤ 200 (DN 25)
- Continuous flow Q_3 = 10 m³/h, R (Q_3/Q_1) ≤ 200 (DN 32)

Flostar M |

- Continuous flow Q_3 = 16 m³/h, R (Q_3/Q_1) ≤ 200 (DN 40)
- Continuous flow Q_3 = 25 m³/h, R (Q_3/Q_1) ≤ 315 (DN 50)
- Continuous flow Q_3 = 40 m³/h, R (Q_3/Q_1) ≤ 400 (DN 65)
- Continuous flow Q_3 = 63 m³/h, R (Q_3/Q_1) ≤ 400 (DN 80)
- Continuous flow Q_3 = 100 m³/h, R (Q_3/Q_1) ≤ 400 (DN 100)
- Continuous flow Q_3 = 160 m³/h, R (Q_3/Q_1) ≤ 630 (DN 150)

Woltex | Cast iron housing

- Woltman velocity meter,
- Continuous flow Q_3 = 40 m³/h, R (Q_3/Q_1) ≤ 100 (DN 50)
- Continuous flow Q_3 = 63 m³/h, R (Q_3/Q_1) ≤ 100 (DN 65)
- Continuous flow Q_3 = 100 m³/h, R (Q_3/Q_1) ≤ 100 (DN 80)
- Continuous flow Q_3 = 100 m³/h, R (Q_3/Q_1) ≤ 100 (DN 100/ 125)
- Continuous flow Q_3 = 160 m³/h, R (Q_3/Q_1) ≤ 160 (DN 100/ 125)
- Continuous flow Q_3 = 250 m³/h, R (Q_3/Q_1) ≤ 100 (DN 150)
- Continuous flow Q_3 =400 m³/h, R (Q_3/Q_1) ≤ 160 (DN 150)

Water meters

Unimag+ , Domaqua | Composite body

- Velocity meter, single jet
- DN15, Continuous flow Q_3 =1,6 m³/h, R (Q_3/Q_1) ≤ 80
- DN15, Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 125

Unimag+ , Domaqua | Brass body

- Velocity meter, single jet
- DN15, Continuous flow Q_3 = 1,6 m³/h, R (Q_3/Q_1) ≤ 80
- DN15, Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 125
- DN20, Continuous flow Q_3 = 4 m³/h, R (Q_3/Q_1) ≤ 125

MES KOAX Istameter | Composite body

- Velocity meter, multi jet
- DN15, Continuous flow Q_3 = 2,5 m³/h, R (Q_3/Q_1) ≤ 50

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: outside of the water meters

Compulsory specifications:

- Unit of measurement: (m³);
- Numerical value of Q_3;
- Ratio Q_3/Q_1, preceded by "R", i.e. "R160";
- Ratio Q_2/Q_1, (where it differs from 1,6);
- MAP (where it differs from 1 MPa (10 bar));
- Direction of flow by an arrow;
- The letter V or H, if the meter can only be operated in the vertical or horizontal position;
- 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;
- Year of manufacture, last 2 digits ;
- 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;
- Output signals for ancillary devices: type/levels if any;
- External power supply requirements: voltage – frequency.

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˚C.

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:

- Itron Nederland B.V.

and, if necessary,

- Kiwa Nederland B.V.

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