



## Product certificate K85249/05

Issued 2022-11-01

Replaces K85249/04

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### 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

### Krohne Altometer

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 covers the requirements of:

**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](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

# CERTIFICATE

207180711

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

Water meters

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**PRODUCT SPECIFICATION**

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

With the following types of coating, volume flows DN and R

**With PP Liner**

OPTIFLUX 2300 C

OPTIFLUX 2300 F (OPTIFLUX 2000F+IFC 300F/W/R)

Q <sub>3</sub> (m <sup>3</sup> /h)	DN	R
16	25	400
25	32	400
25	40	400
40	50	400
100	65	630
160	80	630
250	100	630
400	125	630
400	150	630

**Rilsan coating**

WATERFLUX 3070 C

WATERFLUX 3070 F (WATERFLUX 3000F + IFC 070F)

Q <sub>3</sub> (m <sup>3</sup> /h)	DN	R	Q <sub>3</sub> (m <sup>3</sup> /h)	DN	R
10	25	400	250	125	160
16	25	400	250	125	400
25	40	400	400	125	250
40	40	400	400	125	400
40	50	400	400	150	160
63	50	400	400	150	400
63	65	400	630	150	250
100	65	250	630	150	400
100	65	400	630	200	160
100	80	160	630	200	400
100	80	400	1.000	250	160
			1.000	250	400
160	80	250	1.600	300	160
160	80	400	1.600	300	400
160	100	160	2.500	350	160
160	100	400	4.000	400	160
250	100	250	4.000	450	160
250	100	400	6.300	500	160
			6.300	600	100

Sizes DN50 – DN200 optionally equipped with PT-sensor

**With hard rubber liner H 1005**

OPTIFLUX 2300 C

OPTIFLUX 2300 F (OPTIFLUX 2000F+IFC 300F/W/R)

Q <sub>3</sub> (m <sup>3</sup> /h)	DN	R	Q <sub>3</sub> (m <sup>3</sup> /h)	DN	R
16	25	400	25.000	1.000	500
25	32	400	25.000	1.100	500
25	40	400	25.000	1.200	500
40	50	400	40.000	1.300	500
100	65	630	40.000	1.400	500
160	80	630	40.000	1.500	500
250	100	630	40.000	1.600	400
400	125	630	40.000	1.700	400
400	150	630	40.000	1.800	250
1.000	200	1000	40.000	1.900	250
1.600	250	1000	40.000	2.000	250
2.500	300	1000	40.000	2.100	250

Water meters

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2.500	350	500	40.000	2.200	160
4.000	400	500	40.000	2.300	160
4.000	450	500	40.000	2.400	160
6.300	500	500	40.000	2.500	160
6.300	550	500	40.000	2.600	100
6.300	600	500	40.000	2.700	100
10.000	650	500	40.000	2.800	100
Q3 (m <sup>3</sup> /h)	DN	R	Q3 (m <sup>3</sup> /h)	DN	R
10.000	700	500	40.000	2.900	100
10.000	750	500	40.000	3.000	100
16.000	800	500			
16.000	900	500			
16.000	950	500			

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## Water meters

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### 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 outside of the water meter

Compulsory specifications:

- Unit of measurement: (m<sup>3</sup>);
- Numerical value of Q<sub>3</sub>;
- Ratio Q<sub>3</sub>/Q<sub>1</sub>, preceded by "R", i.e. "R160";
- Ratio Q<sub>2</sub>/Q<sub>1</sub>, (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.

### APPLICATION AND USE

The products are intended to be used in closed and filled drinking water installations in order to measure quantities of water flowing through per time and in total 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:

- Krohne Altometer
- and, if necessary,
- Kiwa Nederland B.V.

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