

Number	K 11868/03	Replaces	K 11868/02
Issued	2004-11-01	Dated	2004-03-01

Product Certificate

Cast iron gate valves

Based on pre-certification tests as well as periodic inspections by Kiwa, the products referred to in this certificate and marked with the Kiwa-mark as indicated under 'Marking', manufactured by

E. Hawle Armaturenwerke GmbH

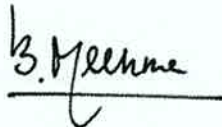
may, on delivery, be relied upon to comply with the:

EN 1074-2: 2000

"Valves for water supply – Fitness for purpose requirements and appropriate verification tests – Part 2: Isolating valves"

and the additional requirements from Kiwa evaluation guideline BRL-K602/03 "Valves and other accessories for drinking water transport and drinking water distribution systems".

Kiwa N.V.



ing. B. Meekma
Director
Certification and Inspection

This certificate is issued in accordance with the Kiwa-Regulations for Product Certification and consists of 3 pages.
Publication of the certificate is allowed.

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Page	2	Number	K 11868/03	Replaces	K 11868/02
		Issued	2004-11-01	Dated	2004-03-01

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PRODUCT SPECIFICATION

The products mentioned below belong to this certificate

Type 4000E2

PN 16 - FTF basic series 14

DN 50
DN 65
DN 80
DN 100
DN 125
DN 150
DN 200
DN 250
DN 300
DN 350
DN 400
DN 500
DN 600

Type 4700E2

PN 16 - FTF basic series 15

DN 50
DN 65
DN 80
DN 100
DN 125
DN 150
DN 200
DN 250
DN 300
DN 400
DN 450
DN 500
DN 600

Type Hawle-A

PN 16

DN 80 - FTF basic series 14 - article no. A1000139
- FTF basic series 15 - article no. A2000139
DN 100 - FTF basic series 14 - article no. A1000144
- FTF basic series 15 - article no. A2000144
DN 150 - FTF basic series 14 - article no. A1000149
- FTF basic series 15 - article no. A2000149
DN 200 - FTF basic series 14 - article no. A1000156
- FTF basic series 15 - article no. A2000156

Page	3	Number	K 11868/03	Replaces	K 11868/02
		Issued	2004-11-01	Dated	2004-03-01

Cast iron gate valves

APPLICATION AND USE

Gate valves are designed to, both underground as overground, be used in pipes for drinkingwater or raw material for drinkingwater, with a maximum mediumtemperature of 30 °C. The valves are designed to open or shut off the pipes and not for regulation purposes.

MARKING

The products are marked with the wordmark "KIWA".

Place of the mark:

- on the body or specificationplate

Compulsory specifications:

- name or mark of manufacturer: on the body or specificationplate;
- identification of the shell material(s): on the body or specificationplate;
- nominal size "DN ...": on the body or specificationplate;
- nominal working pressure "PN ...": on the body or specificationplate;
- identification of the year of manufacture: on the body or specificationplate;
- number of the relevant part of the EN1074: on the body or specificationplate.

Remark:

Specificationplate must bear at least the manufacturers mark and the wordmark "KIWA".

Method of marking:

- indelible;
- visible after assembly.

RECOMMENDATIONS FOR CUSTOMERS:

1. Check at the time of delivery whether:
 - 1.1 the producer has delivered in accordance with the agreement;
 - 1.2 the mark and the marking method are correct;
 - 1.3 the products show no visible defects as a result of transport etc.
2. If you should reject a product on the basis of the above, please contact:
 - 2.1 E. Hawle Armaturenwerke GmbH in Vöcklabruck and Imbema Denso B.V. in Haarlem, the Netherlands and, if necessary,
 - 2.2 Kiwa N.V.
3. Consult the producer's processing guidelines for the proper storage and transport methods.
4. Check whether this certificate is still valid by consulting the Kiwa website www.kiwa.nl.