



CERTIFICATE

Product certificate K65186/05

Issued 2022-11-01

Replaces K65186/04

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Wide range fittings of ductile cast iron

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

E. Hawle Armaturenwerke GmbH

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-K775**: "for ductile iron fittings for piping systems of ductile iron, grey iron, steel, PVC-U, PE or fibre-cement for the transport of drinking water", **dated 01-12-2018**,

which covers the requirements of:

NEN-EN 14525 "Ductile iron wide tolerance couplings and flange adaptors for use with pipes of different materials: ductile iron, grey iron, steel, PVC-U, PE, fibre-cement." **Dated 2004**

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl 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

Wide range fittings of ductile cast iron

PRODUCT SPECIFICATION

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

7974 (Synoflex Connector):

- Type 7974: PFA 16, DN 80-65 , 100-80; DN 150, DN200, DN 225, DN 250 and DN 300,
- Type 7974: PFA 10; DN 350, DN 400, DN 450, DN 500 and DN 600.

7994 (Synoflex Flange):

- Type 7994: PFA 16, DN 80-65, DN 80-100, DN100-80, 100-125;,,
- Type 7994: PFA 10; DN 350, DN 400, DN 450, DN 500 and DN 600.

7975 (SYNO2000 Connector):

- Type 7975, PFA 16, DN 50/63, DN 80/90, DN 100/110, DN 100/125, DN 150/160, DN 150/180, DN 200/200, DN 200/225, DN 250/250, DN 250/280.

Wide range fittings of ductile cast iron

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 ", "KIWA ".

Place of the mark: on the fitting.

Compulsory specifications:

- manufacturer's name or mark ;
- identification of the year of manufacture ;
- identification of ductile iron ;
- DN and PN rating of flanges when applicable ;reference to this standard ;
- an identification of the minimum and maximum outside diameters (range of external diameters over which the product works);
- PFA of the coupling or of the flange adaptor.

Method of marking:

The first five markings given above shall be cast-on or cold stamped ; the other markings can be applied by any method, e.g. painted on the casting or attached to the packaging.

- Non-erasable;
- visible after assembly.

APPLICATION AND USE

The products are intended to be applied in piping systems for the transport of drinking water met de nominal size of DN 40 up to and including DN 600 with a with a maximum water pressure 1 MPa and water temperature of 30°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 because of transport etc.

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

- E. Hawle Armaturenwerke GmbH

and, if necessary,

- Kiwa Nederland B.V.

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