



Product certificate K78328/05

Issued 2023-06-01

Replaces K78328/04

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Ductile cast iron fittings for PVC-U, PVC-O and PE piping systems

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

Fabryka Armatury Hawle Spółka z o.o.

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-K773: "Fittings made of ductile iron for piping systems of PVC-U, PVC-O or PE for the transport of drinking water" **dated 01-04-2019**,

which covers the requirements of

EN 12842: "Ductile iron fittings for PVC-U or PE piping systems - Requirements and test methods", **dated 2012**.

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

Ductile cast iron fittings for PVC-U, PVC-O and PE piping systems

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate

System 2000

Type of fitting	Article Number	Range
Flanges	0400	DN50/63 – DN200/225
Connectors	0430	63 - 225 mm
All socket tees (MMB fittings)	8515	63 - 225 mm
Double socket tees with flanged branch (MMA fittings)	8525	63 - 225 mm
Bends 90°	8535	63 - 225 mm
Bends 45°	8545	63 - 225 mm
Bends 30°	8555	90, 110, and 160 mm
Bends 11°	8557	90 - 110 mm
End caps	8075	63 - 225 mm
Duckfoot bends	5075	DN80-100 (63 – 110 mm)

REMARK: The products listed above can be used with an allowable operating pressure (PFA) of up to and including 16 bar.

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 fitting.

Compulsory specifications:

- a) reference to this European Standard (EN 12842);
- b) the manufacturer's name or mark;
- c) identification of the year of manufacture;
- d) the identification of ductile iron or mild steel;
- e) DN
- f) the PN rating of flanges for flange components;
- g) "PVC" and/or "PE".

Items b) to f) shall be cast-on or cold stamped. Item a) and g) can be applied by any method e.g. painted on the castings or attached to the packaging.

Method of marking:

- 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 700 with a with a maximum water pressure 1 MPa and water temperature of 30 °C.

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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:

- Fabryka Armatury Hawle Spółka z o.o.

and, if necessary,

- Kiwa Nederland B.V.

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