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Product Certificate

Mechanical fittings for PE pipes

Based on pre-certification tests as well as periodic inspections by Kiwa Nederland B.V., the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

Georg Fischer Fittings GmbH

may, on delivery, be relied upon to comply with the GASTEC QA approval requirements 214, for "Fitness for admixtures up to and including 100% hydrogen gas" dated June 2019.

Ron Scheepers
Kiwa

This certificate is issued by Kiwa Nederland B.V. in conjunction with the KIWA regulations for Certification 2017.

This certificate consists of 3 pages.
Publication of the certificate is allowed.

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CERTIFICATE

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Mechanical fittings for PE pipes

PRODUCT SPECIFICATION

Mechanical fittings for polyethylene piping systems for the supply of gaseous fuels.

Material: malleable cast iron

Design: Black or galvanised.

Max. working pressure: 8 bar.

Primofit coupling

For PE-pipes SDR 11 and SDR 17,6 or transition fitting to steel gas pipes with the dimensions:

PE 25 x PE 25,
PE 25 x st ¾",
PE 32 x PE 32,
PE 32 x st 1",
PE 40 x PE 40,
PE 40 x st1¼",
PE 50 x PE 50,
PE 50 x st 1 1/2",
PE 63 x PE 63,
PE 63 x st 2"

Primofit long coupling

For PE-pipes SDR 11 and SDR 17,6 or transition fitting to steel gas pipes with the dimensions:

PE 25 x PE 25,
PE 25 x st ¾",
PE 32 x PE 32,
PE 32 x st 1",
PE 40 x PE 40,
PE 40 x st1¼",
PE 50 x PE 50,
PE 50 x st 1 1/2",
PE 63 x PE 63,
PE 63 x st 2".

Primofit male adaptor

For PE-pipes SDR 11 and SDR 17,6 with the dimensions:

PE 25 x R ¾",
PE 32 x R 1" ,
PE 40 x R 1¼",
PE 50 x R 1 ½",
PE 63 x R 2".

Primofit female adaptor

For PE-pipes SDR 11 and SDR 17,6 with the dimensions:

PE 25 x Rp ¾",
PE 32 x Rp 1",
PE 40 x Rp 1¼",
PE 50 x Rp 1 ½",
PE 63 x Rp 2".

Primofit transition female elbow

For PE-pipes SDR 11 and SDR 17,6 with the dimensions:

PE 25 x Rp 1",
PE 32 x Rp 1".

Primofit elbow

For PE-pipes SDR 11 and SDR 17,6 or transition fitting to steel gas pipes with the dimensions:

PE 25 x PE 25,
PE 25 x st ¾",
PE 32 x PE 32,
PE 32 x st 1",
PE 40 x PE 40
PE 40 x st1¼",
PE 50 x st 1 1/2",
PE 63 x PE 63,
PE 63 x st 2".

Primofit end cap

for PE-pipes SDR 11 and SDR 17,6 with the dimensions

PE 25,
PE 32,
PE 40,
PE 50,
PE 63.

Primofit T-piece with inner thread-branch

For PE-pipes SDR 11 and SDR 17,6 with the dimensions:

PE 25 x Rp ¾" x PE 25,
PE 25 x Rp ¾" x st ¾",
PE 32 x Rp 1" x PE 32,
PE 32 x Rp 1" x st 1",

PE 40 x Rp 1¼" x PE 40,
PE 40 x Rp 1¼" x st1¼",
PE 50 x Rp 1 ½" x PE 50,
PE 50 x Rp1 ½" x st 1 ½",
PE 63 x Rp 2" x st 2",
PE 63 x Rp 2" x PE 63.

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Primofit T-piece

For PE-pipes SDR 11 and SDR 17,6 or transition fitting to steel gas pipes with the dimensions:

PE 25 x PE 25 x PE 25,	PE 40 x PE 40 x PE 40,	PE 63 x PE 63 x PE 63,
PE 25 x PE 25 x st ¾",	PE 40 x st1¼" x PE 40,	PE 63 x PE 63 x st 2",
PE 25 x st ¾" x st ¾",	PE 40 x st1¼" x st1¼",	PE 63 x st 2" x st 2",
PE 25 x st ¾" x PE 25,	PE 40 x PE 40 x st1¼",	PE 63 x st 2" x PE 63.
PE 32 x PE 32 x PE 32,	PE 50 x PE 50 x PE 50,	
PE 32 x PE 32 x st 1",	PE 50 x PE 50 x st 1 ½",	
PE 32 x st 1" x st 1",	PE 50 x st 1 ½" x st 1 ½",	
PE 32 x st 1" x PE 32	PE 50 x st 1 ½" x PE 50,	

APPLICATION AND USE

The product is intended to be used in distribution systems for gas conform the Regulations gas quality for low caloric gas to be used up to and including 16 bar with an admixture up to and including 100% hydrogen gas. The maximum pressure and operation temperature are mentioned in the approval requirement for the product for GASTEC QA certification.

MARKING

- GASTEC QA or GASTEC QA logo or punch mark
- Name of manufacturer: +GF+*
- Material: *
- Nominal connection size(s)
- Maximum operating pressure: 10 bar*
- Production date or code:*
- D_{mean} x wall thickness on separate inserts and packages up to and including 32 mm. From 32 mm Dmean and SDR class for PE pipe*
- The words 'Bestand tegen waterstofgas' and 'Hydrogen ready'
- *This information may be on the product, on a label attached to the product or on the smallest packaging.

RECOMMENDATIONS FOR END USERS

Check at the time of delivery whether:

- the producer 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.

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

Check whether this certificate is still valid by consulting Kiwa Nederland B.V. or the Kiwa website.

If you should reject a product on the basis of the above, please contact the supplier and, if necessary, Kiwa Nederland B.V.
