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Product Certificate

Electrofusion fittings and tapping tees

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 Wavin AG

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 September 2022.

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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Electrofusion fittings and tapping tees

PRODUCT SPECIFICATION

Elgef plus (+GF+) PE-100 Electrofusion couplers

Straight coupler PE 100 for use in:

PE-80 and PE 100 pipes, SDR 11 and 17,6, (use of enclosed plastic support sleeves in SDR 17.6 pipe required) diameters 20, 25, 32 and 40 mm.
PE-80 and PE 100 pipes, SDR 11 and 17,6, diameters 50 and 63, 75, 90, 110, 125, 140, 160, 180, 200 and 225 mm.

Max. working pressure for PE 100 pipes: 8 bar

Max. working pressure for PE 80 pipes: 4 bar

Material code: E1 or H10

EZYLINE PE-100 Electrofusion couplers type LI

Straight coupler for use in:

PE 80 and PE-100 pipes, SDR 11 diameters: 32, 40, 50 and 63 mm.

PE 80 and PE-100 pipes, SDR 11 and SDR17,6 diameters: 75, 90 and 110 mm.

Max. working pressure for PE 100 pipes: 8 bar.

Max. working pressure for PE 80 pipes: 4 bar.

Material code: E1 or H10

EZYLINE PE-100 Electrofusion couplers type LI

Straight coupler for use in:

PE 80 and PE-100 pipes, SDR 11 and SDR17,6 diameters: 125, 160, 180, 200 and 225 mm.

Max. working pressure for PE 100 pipes: 8 bar.

Max. working pressure for PE 80 pipes: 4 bar.

Material code: E1 or H10.

MONOLINE PE-100 Electrofusion couplers type LU

Straight Electrofusion couplers , for use in:

PE 80 and PE-100 pipes, SDR 11 and SDR 17,6, diameters 125, 140, 160, 180, 200 and 225 mm.

Max. working pressure for PE 100 pipes: 8 bar.

Max. working pressure for PE 80 pipes: 4 bar.

Material code: E1 or H10.

MONOLINE PE-100 Electrofusion couplers type LU

Straight Electrofusion couplers , for use in:

PE 80 and PE-100 pipes, SDR 11 diameters 20, 25, 32, 40, 50 and 63 mm.

PE 80 and PE-100 pipes, SDR 11 and SDR 17,6, diameters 75, 90 and 110 mm.

Max. working pressure for PE 100 pipes: 8 bar.

Max. working pressure for PE 80 pipes: 4 bar.

Material code: E1 or H10.

ELGEF Plus (+GF+) PE-100 saddles

Saddles for use in PE-100 and PE-80 pipes, SDR 11 and SDR 17,6, in the following sizes:

No. 53 131 400: 360 ° swivel saddle with outlet in the dimensions:

63 x 20, 63 x 25, 63 x 32, 63 x 40, 63 x 50, 63 x 63, 75 x 20, 75 x 25, 75 x 32, 75 x 40, 75 x 50, 75 x 63, 90 x 20, 90 x 25, 90 x 32, 90 x 40, 90 x 50, 90 x 63, 110 x 20, 110 x 25, 110 x 32, 110 x 40, 110 x 50, 110 x 63, 125 x 20, 125 x 25, 125 x 32, 125 x 40, 125 x 50, 125 x 63, 140 x 20, 140 x 25, 140 x 32, 140 x 40, 140 x 50, 140 x 63, 160 x 20, 160 x 25, 160 x 32, 160 x 40, 160 x 50, 160 x 63, 180 x 20, 180 x 25, 180 x 32, 180 x 40, 180 x 50, 180 x 63, 200 x 20, 200 x 25, 200 x 32, 200 x 40, 200 x 50, 200 x 63, 225 x 20, 225 x 25, 225 x 32, 225 x 40, 225 x 50, 225 x 63 mm.

No. 53 131 000: Saddle with Electrofusion outlet 63 mm in the following sizes:

63 x 63, 75 x 63, 90 x 63, 110 x 63, 125 x 63, 140 x 63, 160 x 63, 180 x 63, 200 x 63 en 225 x 63 mm.

No. 53 130 000: Service saddle with Electrofusion outlet 63 mm inclusive blind piece in the following sizes:

63 x 63, 75 x 63, 90 x 63, 110 x 63, 125 x 63, 140 x 63, 160 x 63, 180 x 63, 200 x 63 and 225 x 63 mm.

No. 53 131 400: Saddle Monobloc in the following sizes:

40 x 20, 40 x 25, 40 x 32, 50 x 20, 50 x 25, 50 x 32, 63 x 20, 63 x 25, 63 x 32 mm.

Material code: E1 or H10.

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ELGEF Plus (+GF+) PE-100 RC saddles

Electrofusion saddles with outlet 63 mm also in combination with tapping tee (360° swivel saddle) and blind piece (service saddle) for use in: PE-80 and PE-100 pipes, SDR 11, diameters 63 x 63, 75 x 63, 90 x 63, 110 x 63, 125 x 63, 140 x 63, 160 x 63, 180 x 63, 200 x 63, 225 x 63 PE-80 and PE-100 pipes, SDR 17,6, diameters 110 x 63, 125 x 63, 140 x 63, 160 x 63, 180 x 63, 200 x 63, 225 x 63
 Max. working pressure for PE 100 pipes: 8 bar.
 Max. working pressure for PE 80 pipes: 4 bar.
 Material code: N22

ELGEF Plus (+GF+) PE-100 RC Y saddles

Electrofusion Y tapping saddles for use in:
 PE-100 pipes, SDR 11: diameters 180 x 32, 180 x 63, 200 x 32, 200 x 63, 225 x 32, 225 x 63, 250 x 32, 250 x 63, 280 x 63, 315 x 63
 PE-100 pipes, SDR 17 & 17,6: diameters 180 x 32, 180 x 63, 200 x 32, 200 x 63, 225 x 32, 225 x 63, 250 x 32, 250 x 63, 280 x 63, 315 x 63
 PE-100 pipes, SDR 26: diameters 200 x 32, 200 x 63, 225 x 32, 225 x 63, 250 x 32, 250 x 63, 280 x 63, 315 x 63
 Max. working pressure for PE 100 pipes: 8 bar.
 Material code: N22

APPLICATION AND USE

The products are intended to be applied as gas distribution and installation materials for natural gas with an admixture of 20% hydrogen gas and pure hydrogen gas. The maximum operating pressure (MOP) and operating temperature are specified in the approval requirement for the product for GASTEC QA certification.

MARKING

- GASTEC QA, or GASTEC QA logo or punch mark.
- Number of system standard: EN 1555
- Name and/or trademark of manufacturer: Georg Fischer Wavin A.G.
- Nominal outside diameter(s) of pipe, Dn:
- Material and designation
- Design application series
- Applicable SDR fusion range of pipe:
- Manufacturers information (production period (year and month in figures or code), name or code for the production site if produced at different sites)
- Intended use: GAS
- The words 'Bestand tegen waterstofgas' or '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.
