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Issued	December 1st 2012	Scope	KE 200
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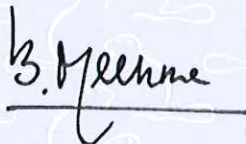
Product Certificate

PE 100 Electrofusion Fittings & 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 A.G.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 200, for "Fusion fittings and saddles made from Polyethylene (PE)", dated November 2004.



Bouke Meekma
Director Kiwa Nederland B.V.

This certificate is issued in accordance with the Regulations for Bearing the GASTEC QA quality label

This certificate consists of 44 pages.
Publication of the certificate is allowed.

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PE 100 Electrofusion Fittings & 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: E3

EZYLINE PE-80 Electrofusion couplers type I

Straight coupler (short version), for use in:

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

PE-80 pipes, SDR 11 and SDR 17,6 diameters 75, 90, 110, 125 and 160 mm.

PE-80 pipes SDR 17,6 diameter 200 mm.

Max. working pressure: 4 bar.

Material code: X.

EZYLINE PE-100 Electrofusion couplers type LI

Straight coupler 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 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: E3.

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: E3.

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: E3.

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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: E3.

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: E3.

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APPLICATION AND USE

Fusion fittings and saddles made of polyethylene (PE) to be used in piping systems for the supply of gaseous fuels in accordance with Table 1 of EN 437, family 2 and 3.

MARKING

- Manufacturer's name and/or trademark
- Nominal outside diameter(s) of pipe, *dn*
- Material code and designation
- Design application series (ie design SDR)
- Manufacturer's information > For providing traceability, the following details shall be given:
 - the production period, year and month, in figures or in code;
 - a name or code for the production site if the manufacturer is producing the same product at different sites.
- Intended use > Gas
- The GASTEC QA approval mark or logo.

Place of the mark:

- On the fitting.

Compulsory specifications:

- Number of the System Standard, EN 1555-3
(This information may be printed on a label associated with the fitting or on an individual bag)
- Applicable SDR fusion range of pipe
(This information may be printed on a label associated with the fitting or on an individual bag.)
- The documentation shall include at least the following items:
 - clear processing instructions in Dutch;
 - fusion compatibility: a list of compatible PE materials shall be stated;
 - additional information relative to the fusion conditions (e.g. fusion and cooling time) appear on a label, which may be attached to a fitting or may be separate from the fitting.

Method of marking:

- Non-erasable;

RECOMMENDATIONS FOR CUSTOMERS:

1. Check at the time of delivery whether:
 - 1.1 the producer has delivery 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 Georg Fischer Wavin A.G.
and, if necessary,
 - 2.2 Kiwa Nederland B.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 publication list for Gastec Certificates (Kluwer Handboek).