



Product certificate K41985/07

Issued 2023-10-01

Replaces K41985/06

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Electrofusion fittings of PE for the transport of drinking water

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

Georg Fischer Wavin AG

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-K17105 "Plastics piping systems of polyethylene for the transport of drinking water and raw water" dated 03-10-2017, inclusive amendment sheet dated 21-04-2023.

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

Electrofusion fittings of PE for the transport of drinking water

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate.

General information

Material : PE 100
 SDR : 11 (ISO S5), 17 (ISO S8)
 Pressure class : 16 bar, 10 bar
 Color : black

Further specification

The dimensions and types, in pressure class, given in the table below are part of this product certificate.

Description products	Type:	Series:
Socket, PE100, SDR11	ELGEF Plus	d20 -d225
	Monoline, Typ LU	d20 -d225
	Ezyline, Typ LI	d32 -d225
Socket, PE100, SDR17	ELGEF Plus	d160-d225
	Monoline, Typ LU	d160-d225
Reducing Socket, PE100, SDR11	ELGEF Plus	d25-20, d32-20, d32-25, d40-32, d50-32, d50-40, d63-32, d63-40, d63-50, d90-63, d110-63, d110-90, d125-90, d160-90, d160-110, d180-125, d200-160, d225-160
	Monoline, Typ LU	d25-20, d32-20, d32-25, d40-32, d50-32, d50-40, d63-32, d63-40, d63-50, d90-63, d110-63, d110-90, d125-90, d160-90, d160-110, d180-125, d200-160, d225-160
	Ezyline, Typ LI	d32-20, d32-25, d40-32, d50-32, d50-40, d63-32, d63-40, d63-50, d90-63
Elbow 90°	ELGEF Plus	d20-d225
	Monoline, Typ LU	d20-d225
	Ezyline, Typ LI	d32-d110
Elbow 45°	ELGEF Plus	d32-d225
	Monoline, Typ LU	d32-d225
	Ezyline, Typ LI	d32-d110
Tee 90° (equal)	ELGEF Plus	d20-d225
	Monoline, Typ LU	d20-d225
	Ezyline, Typ LI	d32-d110
Tee 90° (reduced)	ELGEF Plus	d110-d225
End cap	ELGEF Plus	d20-d225
	Monoline, Typ LU	d20-d225
Spigot fittings, SDR11	ELGEF Plus Elbows 45°, Elbows 90°, Tees 90° equal, Reducers and end caps	d20-d225

Electrofusion fittings of PE for the transport of drinking water

EF tapping saddles, SDR11	ELGEF Plus	d63 – d225 with an outlet of d20-d63
EF Y-Tapping Saddle, PE100-RC, SDR11	ELGEF Plus	d180-d315 with an outlet of d32-d63
EF couplers, SDR11	ELGEF Plus	d250 – d400
Flange adapters including backing flanges, SDR 11	ELGEF Plus	d63 – d500
EF branch saddles, PE100-RC, SDR 11	ELGEF Plus	d63 – d225

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 products shall be marked with the Kiwa®-mark

Fittings

The marks and indications shall be printed or formed on the fitting and the packaging in such a way that it is durable and legible. Each fitting and the smallest packaging unit of the fitting is provided with at least the following marks:

- **KIWA**  or on small products  or  or  * or  *;
- manufacturer's name, trade name and/or logo;
- nominal outside diameter(s) in mm of connecting pipe(s);
- nominal pressure (PN);
- production code;
- material identification of the plastic PE 40 or PE 80 or PE 100.

*) Marking of small fittings could be done on the smallest packaging unit in consultation with Kiwa.

APPLICATION AND USE

The products are intended for PE pipe systems for the transport of drinking water and raw water with a maximum temperature of 40°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 as a result of transport etc.

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

- Georg Fischer Wavin AG
- and, if necessary,
- Kiwa Nederland B.V.

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