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Product Certificate

Fusion fittings and saddles made from polyethylene

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

Aliaxis Deutschland 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 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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PRODUCT SPECIFICATION

Fusion fittings made from PE 100 fitting size SDR 11.

For use with PE 100 SDR 11 and PE 80 SDR 17,6 and SDR 11 pipes.

Fusion fittings size 32 and smaller are only suitable for use with SDR 11 pipes.

Type UB – slide-over coupler

20 x 20 mm	110 x 110 mm
25 x 25 mm	125 x 125 mm
32 x 32 mm	140 x 140 mm
40 x 40 mm	160 x 160 mm
50 x 50 mm	180 x 180 mm
63 x 63 mm	200 x 200 mm
75 x 75 mm	225 x 250 mm

Material code D, E and M

Type W45° - elbow 45°

32 x 32 mm	90 x 90 mm
40 x 40 mm	110 x 110 mm
50 x 50 mm	125 x 125 mm
63 x 63 mm	160 x 160 mm
75 x 75 mm	

Material code D, E and M

Type T – T-piece

75 x 75 x 75 mm
90 x 90 x 90 mm
110 x 110 x 110 mm
125 x 125 x 125 mm
160 x 160 x 160 mm

Material code D, E and M

Type DAA – tapping tee

40 x 20 mm	110 x 20 mm
40 x 25 mm	110 x 25 mm
40 x 32 mm	110 x 32 mm
50 x 20 mm	110 x 63 mm
50 x 25 mm	125 x 20 mm
50 x 32 mm	125 x 25 mm
63 x 20 mm	125 x 32 mm
63 x 25 mm	125 x 63 mm
63 x 32 mm	140 x 32 mm
63 x 63 mm	140 x 63 mm
75 x 32 mm	160 x 20 mm
90 x 20 mm	160 x 25 mm
90 x 25 mm	160 x 32 mm
90 x 32 mm	160 x 50 mm
90 x 50 mm	160 x 63 mm
90 x 63 mm	200 x 32 mm
	200 x 63 mm

Material code M

Type MB – coupler with removable stop

25 x 25 mm	90 x 90 mm
32 x 32 mm	110 x 110 mm
40 x 40 mm	125 x 125 mm
50 x 50 mm	140 x 140 mm
63 x 63 mm	160 x 160 mm
75 x 75 mm	

Material code D, E and M

Type W90° - elbow 90°

25 x 25 mm	90 x 90 mm
32 x 32 mm	110 x 110 mm
40 x 40 mm	125 x 125 mm
50 x 50 mm	160 x 160 mm
63 x 63 mm	
75 x 75 mm	

Material code D, E and M

Type SA-TL – saddle with spigot top loading

250 – 560 x 32 mm
250 – 560 x 63 mm

Material code D, E and M

Type DAA(kit) – Tapping tee supplied with reducer MR

63 x 40 mm
90 x 40 mm
90 x 50 mm
110 x 40 mm
110 x 50 mm
125 x 40 mm
125 x 50 mm
140 x 50 mm
160 x 40 mm
160 x 50 mm
180 x 50 mm
200 x 50 mm
225 x 50 mm

Material code M

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Type SA – saddle with spigot

63 x 32 mm	160 x 32 mm
63 x 50 mm	160 x 63 mm
75 x 50 mm	160 x 90 mm
90 x 32 mm	160 x 110 mm
90 x 50 mm	160 x 125 mm
90 x 63 mm	180 x 63 mm
110 x 32 mm	180 x 90 mm
110 x 50 mm	180 x 110 mm
110 x 63 mm	180 x 125 mm
110 x 90 mm	200 x 63 mm
125 x 32 mm	225 x 63 mm
125 x 63 mm	225 x 90 mm
125 x 90 mm	225 x 110 mm
125 x 110 mm	225 x 125 mm
	225 x 160 mm

Material code D, E and M

Type MR- Reducer

32 x 20 mm
32 x 25 mm
40 x 20 mm
40 x 32 mm
50 x 20 mm
50 x 32 mm
50 x 40 mm
63 x 32 mm
63 x 40 mm
63 x 50 mm
90 x 50 mm
90 x 63 mm
110 x 63 mm
110 x 90 mm

Material code D, E and M

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, GASTEC QA logo or punch mark.
- Name and or trademark of manufacturer: FRIALEN,
- Number of the system standard: EN 1555,
- Nominal outside diameter(s) of the pipe, Dn:
- Material and designation: PE 100,
- Design application series: SDR 11,
- Applicable SDR range of the pipe,
- Intended use: GAS.
- Manufacturers information (production period (year and month in figures or code), name or code for the production site if produced at different sites)
- The words 'Bestand tegen waterstofgas' and 'Hydrogen ready'.

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.
