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Product Certificate

Mechanical fittings for polyethylene piping systems

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

ISIFLO GmbH

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 70, for "Mechanical fittings for plastic piping systems" dated April 2021.

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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Mechanical fittings for plastic piping systems

PRODUCT SPECIFICATION

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

Class: SDR 11 and 17,6.

Material fitting: brass

Material insert Messing or PA

Max. operating pressure 10 bar.

Isiflo Type 100

Straight coupler:

25 x 25
32 x 32
40 x 40
50 x 50
63 x 63

Isiflo Type 101

Straight repair coupler:

25 x 25
32 x 32
40 x 40
50 x 50
63 x 63

Isiflo Type 102

Straight transition fitting:

32 x 25
40 x 25
40 x 32
50 x 32
50 x 40
63 x 40
63 x 50

Isiflo Type 105

Transition coupler with outer thread:

25 x R1
32 x R1¼
32 x R1½
40 x R 1½
50 x R2

Isiflo Type 110

Transition coupler with outer thread:

25 x R¾
32 x R1
40 x R1¼
50 x R1½
63 x R2

Isiflo Type 112

Transition coupler with outer thread:

25 x R½
32 x R¾
40 x R1
50 x R1¼
63 x R1½

Isiflo Type 115

Transition coupler with enlarged inner thread:

25 x Rp1
32 x Rp1¼
40 x Rp1½
50 x Rp2

Isiflo Type 116

Transition coupler with enlarged thread:

25 x Rp½
25 x Rp¾
32 x Rp¾
32 x Rp1
40 x Rp1
40 x Rp1¼
50 x Rp1¼
50 x Rp 1½
63 x Rp2

Isiflo Type 120

Elbow 90°:

25 x 25
32 x 32
40 x 40
50 x 50
63 x 63

Isiflo Type 121

Elbow 90° with outer thread:

25 x R¾
32 x R1
32 x R1¼
40 x R1¼
40 x R1½
50 x R1½
63 x R2

Isiflo Type 122

Elbow 90° Female:

25 x Rp½
25 x Rp¾
32 x Rp¾
32 x Rp1
40 x Rp¾
40 x Rp1
40 x Rp1¼
50 x Rp1¼
50 x Rp1½
63 x Rp2

Isiflo Type 123

Elbow: 45°:

25 x 25
32 x 32
40 x 40
50 x 50
63 x 63

Isiflo Type 124

Elbow 90° reducer male:

25 x R½
32 x R¾
40 x R1
50 x R1¼
63 x R 1½

Isiflo Type 125

Tee:

25 x 25 x 25
32 x 32 x 32
40 x 40 x 40
50 x 50 x 50
63 x 63 x 63

Isiflo Type 130

Tee with reducer:

32 x 25 x 32
40 x 32 x 40
50 x 32 x 50
50 x 40 x 50
63 x 32 x 63
63 x 40 x 63

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Isiflo Type 131 - Tee male:

25 x R $\frac{3}{4}$ x 25
 32 x R1 x 32
 40 x R1 $\frac{1}{4}$ x 40
 50 x R1 $\frac{1}{2}$ x 50
 63 x R2 x 63

Isiflo Type 132 - Tee female:

25 x Rp $\frac{3}{4}$ x 25
 32 x Rp1 x 32
 40 x Rp1 $\frac{1}{4}$ x 40
 50 x Rp1 $\frac{1}{2}$ x 50
 63 x Rp2 x 63

Isiflo Type 135 - Reducing set:

32 x 25
 40 x 32
 50 x 40
 63 x 50

Isiflo Type 140 - Reducing set double:

40 x 25
 50 x 32
 63 x 40

Isiflo Type 310 - Soldering coupler:

20 x 15
 25 x 22
 32 x 22
 32 x 28
 40 x 35
 50 x 42

APPLICATION AND USE

Full-end-load mechanical fittings made of metal for polyethylene (PE) piping systems for the supply of gaseous fuels of the 2nd and 3rd family according to EN 437. The maximum operating temperature is -20 °C to 40 °C. The maximum operating pressure for each application is mentioned in the table below.

Type of pipe	MOP	MOP NEN 7244	Application and use
PE 80 SDR 17,6	4,8 bar	4 bar	Main- and serviceline
PE 80 SDR 11	8 bar	4 bar	Main- and serviceline
PE 100 SDR 17,6	6 bar	8 bar	Main- and serviceline
PE 100 SDR 11	10 bar	4 bar	Main- and serviceline

MARKING

- GASTEC QA or GASTEC QA logo or punch mark
- Name of manufacturer: ISIFLO AS*
- Material: PA*
- 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 D_{mean} and SDR class for PE pipe*

*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.