



Product certificate K-0218144-1

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K-FLEX Metal fittings for plastic and multilayer piping systems

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

L'Isolante K-FLEX S.p.A

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-K536 E "Plastic piping systems of PE-RT/Al intended for transport of hot and cold drinking water" dated 15-12-2011 inclusive amendment sheet dated 13-03-2018.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

This product certificate is only valid in combination with a Kiwa/KOMO certified plastic piping system.

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

K-FLEX Metal fittings for plastic and multilayer piping systems

PRODUCT SPECIFICATION

K-FLEX Metal fittings for plastic and multilayer piping systems, used in combination with the K-FLEX plastic or multilayer piping, according to BRL-K536E: "Plastic piping systems of PE-RT/Al intended for transport of hot and cold drinking water". The press fittings are configured with a TH-H-U or F contour press profile.

Description	Size	Description	Size	Description	Size
Equal straight	S16X16	Male straight	S16X1/2M	Female straight	S16X1/2F
Equal straight	S20X20	Male straight	S16X3/4M	Female straight	S16X3/4F
Equal straight	S25X25	Male straight	S20X1/2M	Female straight	S20X1/2F
Equal straight	S26X26	Male straight	S20X3/4M	Female straight	S20X3/4F
Equal straight	S32X32	Male straight	S20X1M	Female straight	S25X1/2F
		Male straight	S25X1/2M	Female straight	S25X3/4F
Unequal straight	S20X16	Male straight	S25X3/4M	Female straight	S25X1F
Unequal straight	S25X16	Male straight	S25X1M	Female straight	S26X1/2F
Unequal straight	S26X16	Male straight	S26X1/2M	Female straight	S26X3/4F
Unequal straight	S25X20	Male straight	S26X3/4M	Female straight	S26X1F
Unequal straight	S26X20	Male straight	S26X1M	Female straight	S32X1F
Unequal straight	S32X25	Male straight	S32X1M		
Unequal straight	S32X26	Male straight	S32X11/4M	Male elbow	L16X1/2M
				Male elbow	L16X3/4M
Female elbow	L16X1/2F	Equal elbow	L16X16	Male elbow	L20X1/2M
Female elbow	L16X3/4F	Equal elbow	L20X20	Male elbow	L20X3/4M
Female elbow	L20X1/2F	Equal elbow	L25X25	Male elbow	L25X3/4M
Female elbow	L20X3/4F	Equal elbow	L26X26	Male elbow	L25X1M
Female elbow	L25X3/4F	Equal elbow	L32X32	Male elbow	L26X3/4M
Female elbow	L25X1F			Male elbow	L26X1M
Female elbow	L26X3/4F	Equal tee	T16X16X16	Male elbow	L32X1M
Female elbow	L26X1F	Equal tee	T20X20X20		
Female elbow	L32X1F	Equal tee	T25X25X25	Unequal tee	T16X20X16
		Equal tee	T26X26X26	Unequal tee	T20X16X20
Male tee	T16X1/2MX16	Equal tee	T32X32X32	Unequal tee	T20X16X16
Male tee	T20X1/2MX20			Unequal tee	T20X20X16
Male tee	T20X3/4MX20	Female tee	T16X1/2FX16	Unequal tee	T25X16X25
Male tee	T25X1MX25	Female tee	T20X1/2FX20	Unequal tee	T20X25X20
Male tee	T26X1MX26	Female tee	T20X3/4FX20	Unequal tee	T25X20X25
Male tee	T32X1MX32	Female tee	T25X1/2FX25	Unequal tee	T25X20X16
		Female tee	T25X3/4FX25	Unequal tee	T25X16X20
Elbow with plate	L16X1/2F(A)	Female tee	T26X1/2FX26	Unequal tee	T25X20X20
Elbow with plate	L20X1/2F(A)	Female tee	T26X3/4FX26	Unequal tee	T25X25X20
		Female tee	T25X1FX25	Unequal tee	T26X16X26
		Female tee	T32X3/4FX32	Unequal tee	T20X26X20
		Female tee	T32X1FX32	Unequal tee	T26X20X26
				Unequal tee	T26X20X16
				Unequal tee	T32X16X32
				Unequal tee	T32X20X32
				Unequal tee	T32X25X32

K-FLEX Metal fittings for plastic and multilayer piping systems

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 fittings shall be marked with at least the following:

- **KIWA**  or on small products  or  or **KK** or KK* or, if not possible, **KIWA**  only on the smallest packaging unit**
- the manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe, in mm
- production code.


*) for small fittings, marking with "KK" only is permitted

**) only after approval by Kiwa

Location of the marks: on each fitting.

The marking shall be clear, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following:

- **"KIWA**  **",**
- manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm.

Location of the marks: on each fitting.

The marking shall be clear, durable and indelible.

APPLICATION AND USE

The metal fittings are intended to be applied in piping systems for hot and cold water distribution at a maximum operating pressure of 8 or 10 bar and an operating temperature of 70°C.

The metal fittings shall be used in combination with PE/Al or PE-X/Al composite pipes. For the application and making of connections, the manufacturer's instructions shall be followed. In addition to this, only pipes of PE/Al or PE-X/Al mentioned in the Kiwa system certificates for the plastic piping system shall be used.

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:

- L'Isolante K-Flex S.p.A.
- and, if necessary,
- Kiwa Nederland B.V.

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