



Product certificate K42189/07

Issued 2024-07-15

Replaces K42189/06

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Metal fittings for Plastic 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

Fränkische Rohrwerke Gebr. Kirchner GmbH Co

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 K "Multilayer piping systems PE-X/Al, PE-RT/Al, PP-R/Al and PP-RCT/Al intended for transport of hot and cold drinking water inside buildings" dated 15-11-2017.

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

Metal fittings for Plastic Piping Systems

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate

The metal press fittings "Alpex F50 PROFI" (DN16-32) and the push fittings "Alpex plus" (DN16-26) used in the combination with the multilayer pipe Turatec according to BRL-K536GK: "Plastic piping systems of PE-RT /Al intended for transport of hot and cold drinking water". The press fittings have a F-, or U-contour press profile.

The metal press fittings "Alpex F50 PROFI" (DN16-32) and the push fittings "alpex plus" (DN16-26) used in the combination with the multilayer pipe Alpex F50 PROFI according to BRL-K536GK: "Plastic piping systems of PE-Xb /Al intended for transport of hot and cold drinking water". The press fittings have a F-, or U-contour press profile.

The metal press fittings "Alpex Duo XS" (DN16-32) used in the combination with the multilayer pipe Turatec according to BRL-K536GK: "Plastic piping systems of PE-RT /Al intended for transport of hot and cold drinking water". The press fittings have a F-, or TH-contour press profile.

Elbow:

16x2.0 -16x2.0
20x2.0 – 20x2.0

Elbow outer thread connection:

16x2.0 – G ½ IG
16x2.0 –R ½ AG
32x3.0 – R1

Double wall connection elbow:

16x2.0 – G ½ IG

Straight coupling:

16x2.0 – 16x2.0
20x2.0 – 20x2.0

Reducer straight coupling:

20x2.0 – 16x2.0

Straight coupling with outer thread connection:

16x2.0 – R ½ AG
20x2.0 – R ½

Tee:

16x2.0 – 16x2.0 – 16x2.0
20x2.0 – 20x2.0 – 20x2.0

Reducer Tee:

20x2.0 – 16x2.0 – 16x2.0
20x2.0 – 16x2.0 – 20x2.0
20x2.0 – 20x2.0 – 16x2.0

Cross Tee coupling:

16x2.0 – 16x2.0 – 16x2.0
20x2.0 – 16x2.0 – 16x2.0
20x2.0 – 16x2.0 – 20x2.0
20x2.0 – 20x2.0 – 16x2.0

Tee with thread connection:

16x2.0 – G ½ AG
16x2.0 – G ½ AG
20x2.0 – G ½ AG

Reducer Tee with thread connection:

20x2.0 – G ½ AG – 16x2.0
20x2.0 – G ½ AG – 16x2.0
6x2.0 – G ½ AG – 20x2.0
6x2.0 – G ½ AG – 20x2.0

Tee with inner thread connection:

16x2.0 – G ½ IG – 16x2.0

Straight connection end – copper:

16x2.0 – Cu15

Copper elbow:

16x2.0 – 1100 mm
16x2.0 – 330 mm

Copper tee:

16x2.0 – 1100 mm
16x2.0 – 330 mm

Copper pipe connection with end – left:

16x2.0 – G ½ AG
16x2.0 – G ½ AG
16x2.0 – G ½ AG
16x2.0 – G ½ AG

Connection end – inner thread:

16x2.0 – G ½ IG

Connection end – outer thread:

16x2.0 – G ½ AG
16x2.0 – R ½ AG

Geberit connection UP:

16x2.0 – G ½ IG

Wall connection elbow 90°– inner thread – long:

16x2.0 – G ½ IG

Wall connection elbow 90° – inner thread – short:

16x2.0 – G ½ IG
16x2.0 – G ¾ IG

Wall elbow with flange 90° – inner and outer thread:

16x2.0 – G ½ – G ¾ AG
16x2.0 – G ½ IG – G ¾ AG
16x2.0 – G ½ IG – G ¾ AG

Connection end – metric thread:

16x2.0 – M12x1

Connection end for distributor/

HK connection:

16x2.0 – G ¾ IG

Connection nipple:

20x2.0

Metal fittings for Plastic Piping Systems

Female thread Adapter		Male thread Adapter	
87316772	16-1/2" FT	87316761	16-3/8" MT
87320772	20-1/2" FT	87316762	16-1/2" MT
87320773	20-3/4" FT	87320762	20-1/2" MT
87326773	26-3/4" FT	87320763	20-3/4" MT
87326774	26-1" FT	87326763	26-3/4" MT
8391685101	16-1/2" FT	87326764	26-1" MT
83916852	16-1/2" FT	8392072001	16-1/2" MT
8391685201	16-1/2" FT	83920721	16-1/2" MT
83916870	20-1/2" FT	8392072101	16-1/2" MT
8391687001	20-1/2" FT	83920723	16-3/4" MT
8391687040	20-1/2" FT	8392072301	16-3/4" MT
8392010201	20-3/4" FT	83920724	16-3/4" MT
8392020201	20-3/4" FT	8392072401	20-1" MT
83920338	20-3/4" FT	83920733	20-1" MT
83920339	26-1" FT	8392073501	20-1" MT
83920358	26-1" FT	83920736	20-1/2" MT
83920359	26-1" FT	8392073601	20-1/2" MT
83920673	26-3/4" FT	83920737	20-1/2" MT
8392067301	26-3/4" FT	8392073701	20-3/4" MT
83920674	26-3/4" FT	83920742	20-3/4" MT
8392067401	32-1 1/4" FT	8392074201	26-1" MT
83920702	32-1 1/4" FT	83920743	26-1" MT
83920705	32-1 1/4" FT	8392074301	26-1" MT
83920710	32-1" FT	83920750	26-3/4" MT
8392071001	32-1" FT	8392075001	26-3/4" MT
83920720	32-1" FT	83920751	26-3/4" MT
		8392075101	32-1 1/4" FT
		83920755	32-1 1/4" FT
		8392075501	32-1 1/4" FT
		83920762	32-1" MT
		8392076201	32-1" MT
		83920763	32-1" MT
Female thread Tee			
87316742	16-1/2" FT-16		
87320742	20-1/2" FT-20		
87320743	20-3/4" FT-20		
87326743	26-3/4" FT-26		
Female thread elbow		Wall mount elbow 35mm	
87316792	16-1/2" FT	87316720	16-1/2" FT
87320792	20-1/2" FT	87320720	20-1/2" FT
87320793	20-3/4" FT	87320723	20-3/4" FT
87326793	26-3/4" FT	86920755	20-1/2" FT
		86920762	20-1/2" FT
		86920763	20-1/2" FT
		86920764	20-3/4" FT
		86920772	20-3/4" FT
		86920773	20-3/4" FT
		86920782	26-3/4" FT
		86920783	26-3/4" FT
		86920792	26-3/4" FT
Wall mount elbow 78mm			
86926202	16-1/2" FT		
86926353	16-1/2" FT		
86926673	20-1/2" FT		
86926674	20-1/2" FT		
86926675	20-1/2" FT		

Metal fittings for Plastic Piping Systems

Female thread Adapter elbow		Wall mount elbow 52mm	
83916672	16- 1/2" FT	86920793	16-1/2" FT
8391667201	16- 1/2" FT	86920852	16-1/2" FT
83916673	16- 1/2" FT	86920853	16-1/2" FT
8391667301	20 x 2,0-1/2" FT		
83916701	20-3/4" FT	Wall mounting elbow 90° 35mm	
8391670101	20-3/4" FT	86916720	16-1/2" FT
83916720	20-3/4" FT	83916720	16-1/2" FT
8391672001	20-3/4" FT	8391672001	16-1/2" FT
8391672021	20-3/4" FT	8391672021	16-1/2" FT
8391672101	26-3/4" FT	8391672921	16-1/2" FT
83916722	26-3/4" FT		
8391672201	26-3/4" FT	Male thread elbow	
8391672921	32-1" FT	87316782	16-1/2" MT
83916733	32-1" FT	87320782	20-1/2" MT
83916735	32-1" FT	87320783	20-3/4" MT
		87326783	26-3/4" MT
Adapter flat sealing		86932757	16-R3/4
83916782	20-1" FT	86932764	16-R3/4
8391678201	20-1" FT	8391673501	16-1/2" MT
8391678301	20-1" FT	83916736	16-1/2" MT
83916792	20-3/4" FT	8391673601	16-1/2" MT
8391679201	20-3/4" FT	83916742	20-1/2" MT
8391685001	20-3/4" FT	8391674201	20-1/2" MT
83926783	26-G1 1/4"	83916750	20-1/2" MT
8392678301	26-G1 1/4"	8391675001	20-3/4" MT
83926793	16-1/2" FT	83916755	20-3/4" MT
8392679301	16-1/2" FT	8391675501	20-3/4" MT
8393210201	16-1/2" FT	83916762	26-3/4" MT
8393220201	16-3/4" FT	8391676201	26-3/4" MT
8393236301	16-3/4" FT	83916763	26-3/4" MT
83932674	16-3/4" FT	8391676301	32-1" MT
8393267401	26-1 1/2" FT	83916772	32-1" MT
83932675	26-1 1/2" FT	8391677201	32-1" MT
8393267501	26-1 1/2" FT		
83932676	26-1" FT	Bend 90°	
8393267601	26-1" FT	8392076301	16-16
83932736	26-1" FT	83920764	20-20
8393273601	26-3/4" FT	8392076401	20-20
83932742	26-3/4" FT	83920772	26-26
8393274201	26-3/4" FT	8392077201	26-26
83932743	32-1 1/2" FT	83920773	32-32
8393274301	32-1 1/2" FT	8392077301	32-32
83932744	32-1 1/2" FT		
8393274401	32-1 1/4" FT		
8393275601	32-1 1/4" FT		
8393275701	32-1 1/4" FT		
83932764	32-1" FT		
8393276401	32-1" FT		
83932765	32-1" FT		

Metal fittings for Plastic Piping Systems

Connector for copper

83920782	16-Cu15
8392078201	16-Cu15
83920783	16-Cu15
8392078301	20-Cu18
83920792	20-Cu18
8392079201	26-Cu22
83920793	26-Cu22
8392079301	26-Cu22

Radiator connection elbow

86916672	16-330mm
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Radiator connection set end cap

86916705	16-1/2" MT
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Wall lead-through

86932794	16-Rp1/2
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Radiator connection set

86916673	16-1/2" MT
86916701	16-1/2" MT-20
86916702	16-1/2" MT-end cap
86916703	20-1/2" MT-16
86916704	20-1/2" MT-20

Adapter with central outlet female thread

86916720	16-1/2" FT-16
86916721	16-1/2" FT-16
86916722	16-1/2" FT-16
86916735	20-1/2" FT-20
86916736	20-1/2" FT-20
86916742	20-1/2" FT-20
86916750	20-3/4" FT-20
86916755	20-3/4" FT-20
86916762	20-3/4" FT-20
86916763	26- 1/2" FT-26
86916772	26- 1/2" FT-26
86916782	26- 1/2" FT-26
86916783	26-3/4" FT-26
86916792	26-3/4" FT-26
86916850	26-3/4" FT-26
86916851	26-3/4" IG-20
86916852	32-1" FT-32
86916870	32-1" FT-32
86920102	32-1" FT-32
86920202	32-1/2" FT-32
86920338	32-1/2" FT-32
86920339	32-1/2" FT-32
86920358	32-3/4" FT-32
86920359	32-3/4" FT-32
86920673	32-3/4" FT-32
86920674	32-3/4" IG-26

Crossing-tee-piece

83920852	16-16-16
8392085201	16-16-16
83920853	20-16-16
8392085301	20-16-16
8392610201	20-16-20
8392620201	20-16-20
8392635301	20-20-16
83926673	20-20-16
8392667301	20-20-20
83926674	20-20-20

Double wall elbow

8392667601	16-1/2" FT
83926720	16-1/2" FT-16
8392672001	16-1/2" FT-16
83926735	20-1/2" FT
8392673501	20-1/2" FT-16
83926736	20-1/2" FT-16
8392673601	20-1/2" FT-16
83926742	20-1/2" FT-20
8392674201	20-1/2" FT-20
83926743	26-1/2" FT
8392674301	26-1/2 FT-20
83926750	26-1/2 FT-20
8392675001	26-1/2 FT-20
83926751	26-1/2 FT-26
8392675101	26-1/2 FT-26

Elbow 90°

83926763	16-16
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Elbow for flush-mounting cistern

86920735	20-1/2" FT-3/4" MT
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Double Adapter

83926764	16-1/2" MT
8392676401	16-1/2" MT
83926773	16-1/2" MT
8392677301	16-1/2" MT
83926774	16-1/2" MT
8392677401	20-1/2" MT

T-piece for Geberit Mepla Fix Adapter

86920720	16-1/2" FT-16
86920721	20-1/2" FT-16
86920723	20-1/2" FT-20

Adapter fix connector uni

86926783	16-G1/2
86926793	16-G1/2

Metal fittings for Plastic Piping Systems

The metal press fittings "Alpex L" (DN40-63) used in the combination with the multilayer pipe Alpex F50 PROFI according to BRL-K536GK: "Plastic piping systems of PE-Xb /Al intended for transport of hot and cold drinking water". The press fittings have a F-contour press profile.

Alpex L PPSU-Fittings 40-63

Alpex L T-piece 40-32-40
Alpex LT-piece red. 50-20-50
Alpex LT-piece red. 50-32-50
Alpex L T-piece 40-20-40
Alpex L T-piece 40-40-40
Alpex L T-piece 40-26-40
Alpex L Elbow 90 Grad 40-40
Alpex L T-piece red. 50-26-50
Alpex L Reducer 50-40
Alpex L Coupler 40-40
Alpex L Coupler red. 40-26
Alpex L Coupler red. 50-32
Alpex L Reducer 40-32
Alpex L T-piece red. 63-40-63
Alpex L Elbow 45 Grad 50-50
Alpex L Elbow 90 Grad 63-63
Alpex L Elbow 45 Grad 63-63
Alpex L Coupler 63-63
Alpex L Adapter AG 50-R1 1/2"
Alpex L T-piece with IG 63-Rp1-63
Alpex L 2011 T-piece 63-32-63
Alpex L Adapting-T-piece with IG 40-3/4"
Alpex L Adapting elbow with AG 40-1 1/4"
Alpex L T-piece with IG 40-Rp1/2"-40

Alpex L MS-Fittings 40-63

Alpex L Adapter IG 50-Rp1 1/2"
Alpex L Adapter AG 40-R1 1/2"
Alpex L Adapter AG 40-1 1/4" AG
Alpex L Adapter IG 40-1" IG
Alpex L Adapter flat sealing 40-1 1/4"
Alpex L Adapter. flat sealing. 40-G1 1/2"
Alpex L Adapter flat sealing 50-2" IG
Alpex L Adapter IG 40-Rp1 1/4"
Alpex L Adapter AG 40-1" AG
Alpex L 2011 T-piece 50-26-50
Alpex L Adapter AG 50-2" AG
Alpex L 2011 T-piece 50-32-50
Alpex L T-piece 63-63-63
Alpex L T-piece 63-50-63
Alpex L 2011 Reducer 50-32
Alpex L Adapter IG 63-2" IG
Alpex L 2011 T-piece 50-20-50
Alpex L Adapting-T-piece with IG 50-3/4"
Alpex L Adapter with AG 63-R2
Alpex L Reducer 63-50
Alpex L Reducer 63-40
Alpex L Adapter flat sealing 50-1 3/4"
Alpex L 2011 Reducer 40-26

Metal fittings for Plastic Piping Systems

The metal press fittings "Conel Connect MV2" (DN16-32) used in the combination with the multilayer pipe Turatec according to BRL-K536GK: "Plastic piping systems of PE-RT /Al intended for transport of hot and cold drinking water". The press fittings have a F-, or TH-contour press profile.

Connect MV press fittings

89316100	Straight coupler 16x2.0-16x2.0	89320200	Angled plug 90° 20 x 2.0 – 20 x 2.0
89316200	Angled elbow coupler 90 °16x2.0 -16x2.0	89320300	Tee 20x2.0-20x2.0-20x2.0
89316300	Tee 16x2,0 -16x2,0 -16x2,0	89320330	Tee 20x2.0 -16x2.0 -20x2,0
89316720	Wall plate 90° 16 x 2 – 1/2" IG	89320333	Tee 20x2,0 -16x2,0 -16x2,0
89316733	HKA 16-330 mm short	89320737	Connector Press Adapter metal 20x2-22
89316734	UP-flushing cistern angle 16 (Set)	89320742	Connector coupler to Tee IG 20-1/2" IG-20
89316736	Press-Adapter 16 x 2-15	89320743	Connector coupler to Tee metal IG 20-3/4" IG-20
89316742	Reduced Coupler IG 16-1/2" IG-16	89320762	Coupler AG 20-1/2" AG
89316762	Reduced coupler AG 16-1/2" AG	89320763	Coupler AG 20-3/4" AG
89316772	Reduced coupler IG 16-1/2" IG	89320772	Coupler IG 20-1/2" IG
89316782	Reduced coupler AG 16-1/2" AG	89320773	Coupler IG 20 – 3/4" IG
89316792	Reduced coupler IG 16-1/2" IG	89320782	Angled coupler metal AG 20-1/2" AG
89316850	Plug coupler Geberit UP- flushing box.	89320792	Angled coupler metal IG 20-1/2" IG
89320100	Coupler 20x2.0 -20x2.0		
89320130	Reduced coupler 20 x 2.0 -16 x 2.0		

Metal fittings for Plastic 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 " " or "KK" or, if not possible "KIWA  " on the smallest packaging unit**
- 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 shall be marked 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 package.

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-X/Al or PE-RT/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:

- Fränkische Rohrwerke Gebr. Kirchner GmbH Co
- and, if necessary,
- Kiwa Nederland B.V.

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