

FPL-PX and FPL-MT, Fittings for PEX pipes and Alu/PEX pipes

Holder/Issued to

IMI International Sp. z o.o.

Olewin 50A, PL-32-300 Olkusz, Poland

Product description

FPL-PX compression fitting for PE-X pipes in dimensions: 12×1.1, 12×1.7, 12×2.0, 14×2.0, 15×2.5, 16×1.5, 16×2.0, 16×2.2, 18×2.5, 20×2.0, 20×2.3, 20×2.8, 22×3.0, 25×2.3, 25×3.5, 28×4.0, 32×2.9, 32×3.0, 32×4.4, 40×3.7, 40×5.5, 50×4.6 and 50×6.9 mm.

Fittings for pipe dimension 12-32 mm consists of housing, coupling nut, clamping ring whit support sleeve and O-ring. Connection fittings for pipes in dimension 40-50 mm consist of support sleeve with swivelling nut, clamp and socket head screws.

FPL-MT compression fitting for Alu/PEX pipe in dimension 16x2,0 mm consist of housing, coupling nut, clamping ring whit support sleeve and O-rings.

Parts in contact with water are made of dezincification resistant brass alloy Ametal C.

Intended use

Compression fittings for hot- and cold tap water as well as closed heating/cooling systems where the water quality is comparable with water from the municipal facility.

Maximum operating pressure is 1.0 MPa (10 bar).

Maximum continuously temperature 70°C.

Maximum momentarily temperature 95°C.

Pressure and temperature can be limited by the pipes application class according to SS-EN ISO 15875 or SS-EN ISO 21003.

FPL-MT is for connecting the following pipes:

Henco RIXc, dimension 16×2,0.

LK Universal ALU-PEX, dimension 16×2,0.

Trade name

FPL-MT Compression fittings.

FPL-PX Compression fittings (DN 12-32).

FPL-PX Connections fittings (DN 40-50).

Approval

The products satisfies the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Tap water installations 6:62, 1st sentence and paragraph and 2nd paragraph and general recommendation
Design 6:625, 1st and 4th paragraph.

Type Approval 4623/86 | 2023-02-10

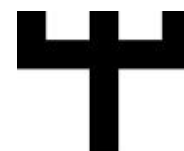
RISE Research Institutes of Sweden AB | Certification

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Akkred. nr. 1002
Produktcertifiering
ISO/IEC 17065

Associated documents

Technical specification, FPL-MT, dated 2018-09 ver.4.
Installation instruction, FPL-MT, dated 2014-09.
Technical specification, FPL-PX, dated 2020-02 ver.5.
Installation instruction, FPL-PX, dated 2014-09.
Installation instruction, FPL-PX 12-32 mm, dated 2014-09.
Installation instruction, FPL-PX 40-63 mm, dated 2014-09.

Control

The factory production control (FPC) is monitored by an independent inspection body.
Control plan: Ref no. 210-12-0160 dated 2022-02-11, Inspection body: RISE


When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

Manufacturing place

Production control includes the following place:
IMI International Sp. z o.o, Olkusz, Poland.

Marking

The products are to be marked at the factory. The marking consists of a sign/label on every product/packing supplied and includes:

Holder	IMI Hydronic Engineering
Product type designation	<i>trade name</i>
Consecutive manufacture no./date of production	<i>No./date</i>
Type approval number	4623/86
Dimension	<i>dimension</i>
Boverket's registered trade mark	
RISE Accreditation number	1002
Certification- and Inspection body	RISE

Basis for approval

Reports 166467-B, 166467, PX00924-19C, PX00924-18F and PX00924-17C from RISE.
Rapporter 6F012354, 6F023025, 6P05733, PX00924-14C, PX12170-A, PX12170-B, PX12170-01, PX12170-02, P004345-12B, P100909 and ETk P906498 from SP.
Report 169449 from DTI.
Report K062044 from MPA.

Comments

Compression couplings are approved in accordance with NKB 18.
Test according to NKB 18 is performed on three samples to verify migration of nickel, result <80 µg.

When connecting a pipe to a boiler, water heater or similar where heat conduction through the material or the water temperature exceeds 70°C, a metal pipe that leads of heat shall be installed between the heat source and the pipe.

Associated documents shall accompany the product or by other means be available to users of the product.

Type Approval 4623/86| 2023-02-10

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Comments, continuing

This type approval supersedes the previous type approval with the same number dated 2017-11-24, valid through 2022-11-23.

Validity

Valid through 2028-02-09.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved products with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

A handwritten signature in blue ink, appearing to read 'Stefan Coric'.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.