

Compression fittings Uponor FPL-X and valve Uponor Aqua Plus

Holder/Issued to

Uponor GmbH

Industristrasse 56, 97437 Hassfurt, Germany

Information supplied by

Uponor AB, Virsbo, Sweden, phone: 0223-38 000

Product description

Compression fittings for plastic pipes consisting of fitting body, clamping ring and cone with integrated support sleeve. Parts in contact with water are made of dezincification resistant brass alloy. The fittings are available for the following pipe dimensions: 12×1.7, 15×2.5, 16×2.0, 16×2.2, 18×2.5 and 20×2.8.

Uponor Aqua PLUS valve, chrome-plated ball valve in dezincification resistant brass with 1/2" swivel nut and external thread 1/2"

Intended use

The fittings are intended for joining the types and dimensions of plastic pipes listed below in tap water installations and heating systems where the water quality can be equated with water from a municipal facility.

All pipes must be type approved for the intended use.

The maximum operating pressure is 1.0 MPa (10 bar).

The maximum continuous operating temperature is 70 °C.

The maximum short-term operating temperature is 95 °C.

PE-X pipes intended for tap water and heating:

The fittings are intended and approved for the following dimensions, regardless of manufacturer:

12×1.7 – 2.0 / 15×2.5 / 16×2.0 – 2.2 / 18×2.5 / 20×2.8

Pressure and temperature may be limited by the pipe type; check the pipe's application class according to SS-EN ISO 15875. See also the comments below.

Multilayer pipes:

Uponor Uni Pipe Plus 16×2.0

Pressure and temperature may be limited by the pipe type; check the pipe's application class according to SS-EN ISO 21003. See also the comments below.

Trade name

Uponor FPL-X, see appendix.

Type Approval SC1048-14 | 2025-11-02

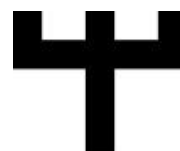
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Approval

The products complies with the requirements of Chapter 8, Section 4, item 3 of the Planning and Building Act (2010:900), in the respects and under the conditions specified in this type approval.

The products meets the requirements of Chapter 4, Sections 12 of the Planning and Building Ordinance (2024:134) and has been assessed to not release harmful concentrations of hazardous substances into drinking water, not promote microbial growth, and not negatively affect the color, odor, or taste of the water.

The approval covers the parts of the Swedish National Board of Housing, Building and Planning's (Boverket's) regulations and general recommendations specified below:

Boverket's regulations with regard to hygiene, health and the environment, water management and waste management (BFS 2024:8) ¹:

Water- and sewage installations BFS 2024:8, Ch. 8, Sec. 1, 3, 4 and 6

Boverket's Building Regulations (BBR) (BFS 2011:6 as amended up to and including BFS 2024:5) ²:

Installation of Tapwater BBR 6:62
Design BBR 6:625

¹ The regulation entered into force on July 1, 2025.

² May be applied to the extent stated in the transitional provisions of Boverket's regulations BFS 2024:14.

Associated documents

Assembly instructions Uponor FPL-X compression adapter, dated 2015-06.

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: Ref no. CR074 dated 2018-10-10, 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 places

Production control includes the following places:

Mattsson Metal AB, Ekuddsvägen 3B, 736 32 Kungsör, Sverige, Sweden and manufacturing site 113273.

Marking

The products are to be marked at the factory. The marking consists of a text on every product, packing or documentation supplied and includes:

Holder	Uponor GmbH
Product type designation	FPL-X
Consecutive manufacture no	year, serie
Type approval number	SC1048-14
Boverket's registered trade mark	1002
RISE Accreditation number	RISE
Inspection body	

Basis for approval

Report 5P01878, 5P02177, 5P02177-1, 4P01675, P801480-16E, P801480-17Erev1 and 1291657 from RISE
Report 124416 from DTI
Report 160200935_A11307_A_rev1 from DWP
Report K 20 1925 från MPA Darmstadt

Comments

The fittings meet the requirements according to NKB 18.

Application classes according to standard SS-EN ISO 15875 and SS-EN ISO 21003:

Class 2: Tap water system with temperature up to 70°C.

Class 4: Heating systems with low temperature, e.g. underfloor heating.

Class 5: High temperature heating system

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

This type approval supersedes the previous type approval with the same number dated 2024-01-22

Validity

Valid up to and including 2030-11-01.

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 or 2024/3110.



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.

Appendix 1

Art no	Description
1067739	Uponor FPL-X adapter PEX DR 12x1,7-G1/2"FT
1067740	Uponor FPL-X adapter PEX DR 12x1,7-G3/4"FT
1067735	Uponor FPL-X adapter plated PEX DR 12x1,7-M22FT
1067732	Uponor FPL-X adapter plated PEX DR 12x1,7-G1/2"FT
1067738	Uponor FPL-X adapter PEX DR 15x2,5-G1/2"FT
1184477	Uponor FPL-X adapter PEX DR DIY 15x2,5-G1/2"FT
1067731	Uponor FPL-X adapter plated PEX DR 15x2,5-G1/2"FT
1184516	Uponor FPL-X adapter plated PEX DR DIY 15x2,5-G1/2"FT
1067733	Uponor FPL-X adapter plated PEX DR 16x2,2-M22FT
1067686	Uponor FPL-X adapter plated PEX DR 16x2,2-G1/2"FT
1088574	Uponor FPL-X compression adapter DR 16x2,0-G1/2"FT
1088576	Uponor FPL-X compression adapter plated DR 16x2,0-M22FT
1034012	Uponor FPL-X compression adapter male DR 18x2,5-1"MT
1085371	Uponor FPL-X compression adapter male DR 20x2,8-1"MT
1087118	Uponor Aqua PLUS adapter PL/DR PPM FPL G1/2"MT
1034072	Uponor Aqua PLUS valve PL/DR FPL-X G1/2"MT-G1/2"SN
1184473	Uponor Aqua PLUS valve PL/DR FPL-X DIY G1/2"MT-G1/2"SN