



Function

The Serie 50th range of compression fittings was created to fit all types of installation of Serie 50th and Serie 30 valves. They include fittings for copper (or mild steel) pipes, polyethylene (polybutene or polypropylene) pipes and multilayer pipes (PEX-AL-PEX). All surfaces in contact with water undergo no galvanic treatment and therefore comply with the Italian regulation D.M. 174 on the transport of drinking water.

Technical data

Max. working pressure:	10 bar
Max. differential pressure:	1 bar
Max. working temperature:	120 °C
Working fluids:	Water in compliance with UNI 8065:1989

Materials

Nuts:	CW 617 N – DW UNI-EN 12165:2016
Components:	CW 614 N – DW UNI-EN 12164:2016
Gaskets:	Peroxide cured EPDM
Insulation gasket:	Polyethylene

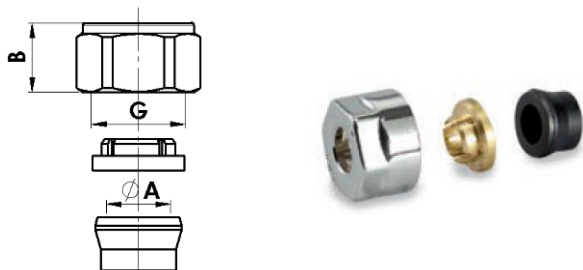
Surface treatment

Chrome-plating

Dimensional Drawings

TR 91/AC

Soft compression fitting with peroxide cured EPDM olive – for copper pipe – 3/4 Eurokonus thread.
Copper and plastic pipe G3/4 Eurokonus



Code	Size	A	B	C	D	G
67761000C	10 mm	10	18.5	-	27	G3/4 Ek
67761200C	12 mm	12	18.5	-	27	G3/4 Ek
67761400C	14 mm	14	18.5	-	27	G3/4 Ek
67761500C	15 mm	15	18.5	-	27	G3/4 Ek
67761600C	16 mm	16	18.5	-	27	G3/4 Ek

TP 98/C

Compression fitting for polyethylene, polybutene and polypropylene pipe, 3/4 Eurokonus thread.
Copper and plastic pipe G3/4 Eurokonus



Code	Size	A	B	C	D	G
67841410C	14 x 2	14	18.5	10	27	G3/4 Ek
67841612C	16 x 2	16	18.5	12	27	G3/4 Ek
67841713C	17 x 2	17	18.5	13	27	G3/4 Ek
67841814C	18 x 2	18	18.5	14	27	G3/4 Ek
67842016C	20 x 2	20	18.5	16	27	G3/4 Ek

TP 99/C

Compression fitting for PEX-AL-PEX multilayer polyethylene pipe, 3/4 Eurokonus thread.
Copper and plastic pipe G3/4 Eurokonus



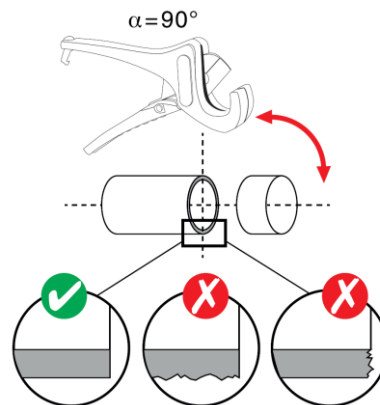
Code	Size	A	B	C	D	E
67861410C	14 x 2	14	18.5	10	27	G3/4 Ek
67861612C	16 x 2	16	18.5	12	27	G3/4 Ek
67861713C	17 x 2	17	18.5	13	27	G3/4 Ek
67861814C	18 x 2	18	18.5	14	27	G3/4 Ek
67862016C	20 x 2	20	18.5	16	27	G3/4 Ek

Code	Size	F	G	H	L	M
14242703	DN15 1/2	G3/4 Ek	-	G1/2	28	-
14242703CB	DN15 1/2	G3/4 Ek	-	G1/2	28	-

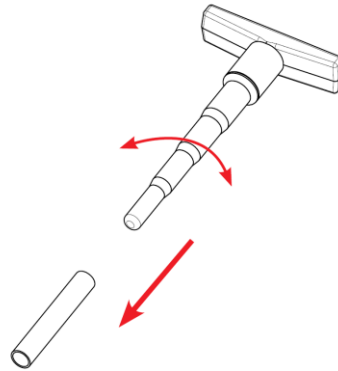
Working Instructions

To avoid inconveniences caused by an improper installation, which could be very costly, it is advisable to follow the below instructions:

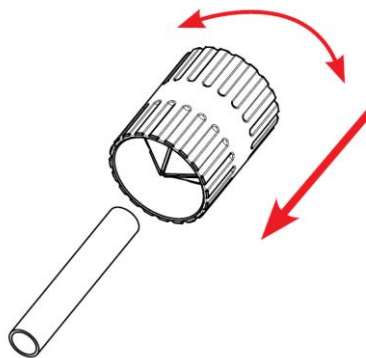
- **How to prepare the pipe.**



1. **Cutting the pipe.** For a correct cut, use suitable shears so as to avoid the ovalization of the pipe and take care that the cut is perpendicular to the pipe axis.



2. **Calibration.** This operation guarantees to obtain a correct internal diameter.



3. **Flaring.** This operation creates an internal chamfer which eases the insertion of the fitting in the pipe and avoids the displacement of the O-rings from their seat.

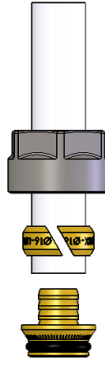
- **Correct assembly of the compression fitting**

Assemble the parts of the fitting in the same order and direction shown in the below pictures.

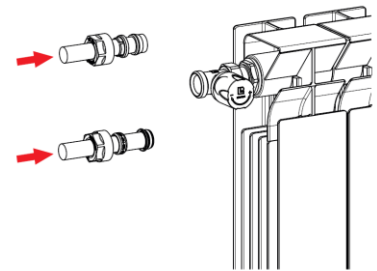
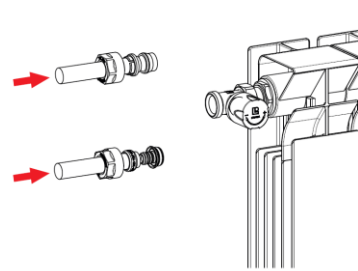
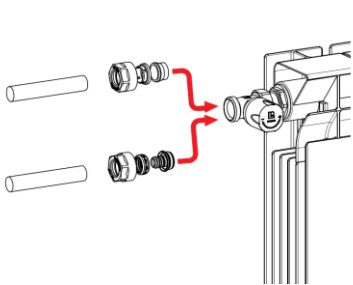
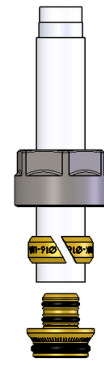
Fittings for copper pipe TR 91/AC



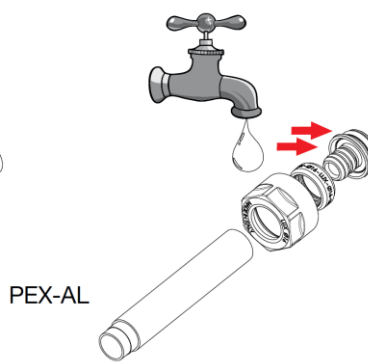
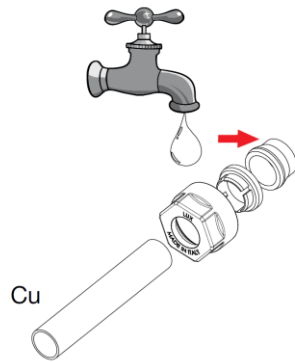
Fittings for plastic pipe TP 98/C



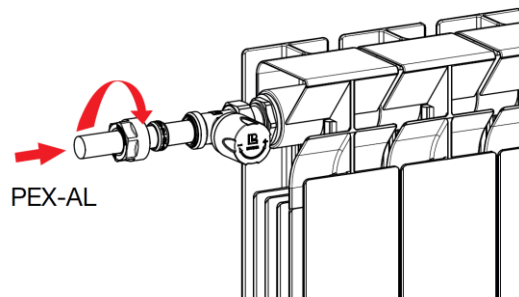
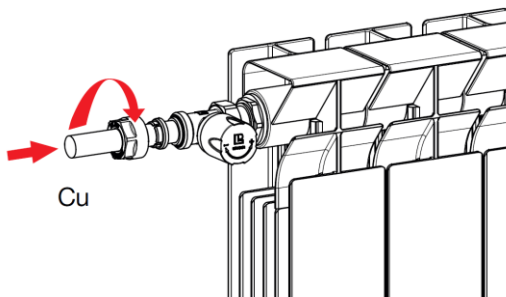
Multilayer fittings TP 99/C



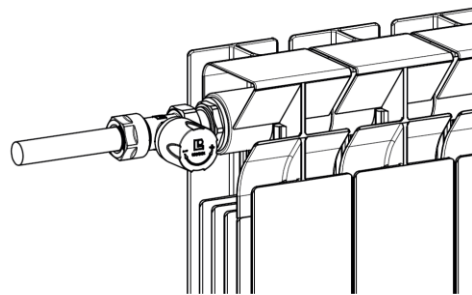
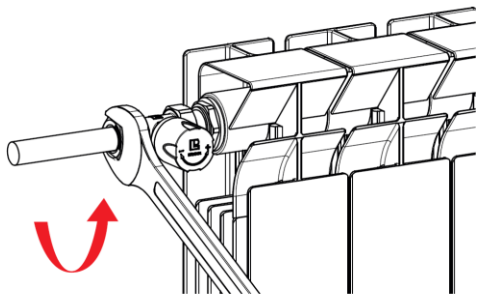
Insert the pipe with its rubber holder inside the fitting, making sure that this part is clean and avoiding to pinch the O-ring.



Do not lubricate the rubber parts with oil or mineral based grease: the EPDM compound is compatible only with silicone based lubricants. To avoid any possible mistake, it is advisable to lubricate these parts simply with water.



Insert the nut and screw it manually as much as possible and then with a CH 110 key.



For a correct use of the fittings it is necessary to observe the below chart concerning the nuts torque according to the type of fitting and the type of pipe.

MISURA TUBO TUBE SIZE	RAME RICOTTO ANNEALED COPPER	RAME SEMIDURO SEMI-SOFT COPPER	ACCIAIO DOLCE MILD STEEL	POLIETILENE POLIPROPILENE POLIBUTENE POLYETHYLENE, POLYPROPYLENE POLYBUTENE	MULTISTRATO PEX-AL-PEX MULTILAYER PEX-AL-PEX
Fino a / Up to Ø 18 mm	Da 35 a 45 Nm from 35 to 45 Nm	Da 60 a 80 Nm from 60 to 80 Nm	Da 60 a 70 Nm from 60 to 70 Nm	Da 30 a 40 Nm from 30 to 40 Nm	Da 25 a 35 Nm from 25 to 35 Nm
Oltre / Above Ø 18 mm	-	-	-	Da 40 a 50 Nm from 40 to 50 Nm	Da 25 a 35 Nm from 25 to 35 Nm

Item Specifications

TR 91/AC

Fitting for copper pipes with high temperature continuous use, chrome-plated nut. G3/4 Eurokonus thread.

TP 98/C

Fitting for polyethylene, polybutene and polypropylene pipes with high temperature continuous use, chrome-plated nut. G3/4 Eurokonus thread.

TP 99/C

Fitting for multilayer pipes with high temperature continuous use, chrome-plated nut. G3/4 Eurokonus thread.



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