Adaptors for copper, plastic and multilayer pipe

Art. 690 – 691 – 696 – 699

100% MADE IN ITALY

Function

Pintossi+C adaptors are fittings used for connecting a thread with a pipe.
Depending on the chosen type of adaptor the connection can be with the following types of pipes:
Art. 690 for connection with soft copper pipes
Art. 699 for connection with hard copper pipes
Art. 691 for connection with plastic pipes (PEX)
Art. 696 for connection with multilayer pipes (PEX-AL-PEX)

Product range

Art. 690	24x19	10 - 12 - 12,6 - 14 - 15 - 16
Art. 690cr	24x19	12 - 14
Art. 699	24x19	15 - 18
Art. 691	24x19	16x2 - 17x2 - 18x2 - 18x2,5
Art. 696	24x19	14x2 - 16x2 - 16x2,25 - 16,2x2,6 (Rehau) - 17x2,75 (Tece) - 18x2 - 20x2,5 - 20x2,9 (Rehau)
Art. 696cr	24x19	16x2

Technical specifications

Fluids:	Water or glycol solutions
Max glycol:	30%
Max working temperature:	100°C
Max working pressure:	10 bar

Materials

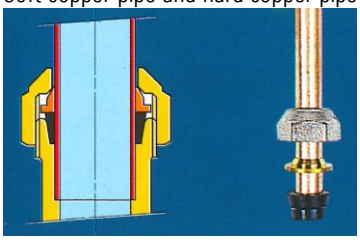
Body:	Brass CW617N
Oring:	NBR

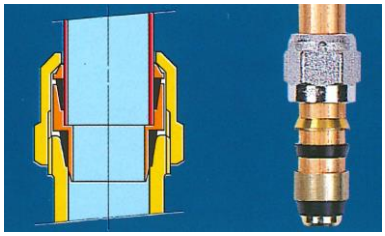
Installation

Here below are shown pictures to explain the correct installation methods for the different kind od adaptors:
It's very important to follow the following steps to make a correct installation:

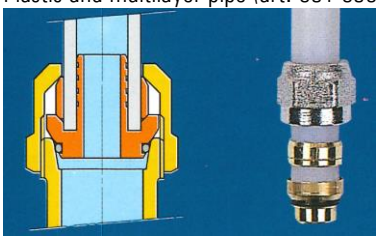
- The pipe cut must be done in the correct way, as much as possible perpendicular with pipe axis, using the proper toolings depending on the material;
- Make calibration and countersink operations to obtain the desired internal diameter and a bevel to make the operation of adaptors installation easier;
- Insert the different component as per the pictures below, being careful not to damage oring if present.

Soft copper pipe and hard copper pipe (art. 690-699)





Plastic and multilayer pipe (art. 691-696)



Fluid characteristics

Reference standard for water treatments in heating systems is Norm UNI 8065:2019 which regulates the parameters that must be observed to avoid scale and corrosion phenomena.
In order to grant product warranty, the fluid characteristics must comply with the rules in force in the country of relevance or at least present features not less to the ones prescribed by the Norm UNI 8065:2019.
In particular, minimum standards necessary but not sufficient to control are the following:

Fluid aspect:	Limpid
PH:	Between 7 and 8
Iron (FE):	< 0,5 mg/kg (< 0,1 mg/kg for steam)
Copper (CU):	< 0,1 mg/kg (< 0,05 mg/kg for steam)
Antifreeze:	Passiveted Propylene Glycol
Conditioning:	as indicated by the producer

In any case when using antifreeze and conditioning solutions, is required to control and verify the correct compatibility between these substances and the construction materials stated in Pintossi+C technical datasheet.