



## UE DECLARATION OF CONFORMITY

The company ICMA S.p.A., manufacturer of components for heating, cooling and domestic water distribution systems, headquartered in Cuggiono (MI), Via Garavaglia 4, whose design and production processes comply with the requirements of UNI EN ISO 9001,

HEREBY DECLARES THAT

**the fittings for PE Xa and PE RT pipes**

**art. 110**

intended to be used in the following applications and within the following operating limits:

- Working fluid: water and glycol solutions (maximum glycol concentration 50%).
- Temperature and pressure limits.

Maximum operating pressure:

Minimum ambient temperature: -40°C  
(-40°F)

**Fitting + PE Xa pipe:**

160 psi @ 73°F (11 bar @ 23°C)  
100 psi @ 180 °F (6,9 bar @ 83°C)  
80 psi @ 200°F (5,5 bar @ 94°C)

**Fitting + PE RT pipe:**

200 psi @ 73°F (13,8 bar @ 23°C)  
100 psi @ 180°F (6,9 bar @ 83°C)

they are designed and manufactured according to the state of the art and in accordance with established construction practices, ensuring their safety in compliance with the relevant and applicable technical requirements and specific provisions.

The product warranty is valid only if the fittings are assembled with the pipes listed below and in accordance with the product instruction sheet.

## Compatible pipes

Pipex PE Xa tubing (Auray)  
Raupex (Rehau)  
Wirsbo hePEX™ tubing (Wirsbo)  
VIPERT™ (CB Supplies)  
Radiant PE RT (Watts)

The ICMA art. 110 fittings have successfully passed the following tests, carried out either at the ICMA laboratory or at third party laboratories, therefore, we can declare conformity with the following standards:

- **ASTM F877 (PE-X)**
- **Section 6.5 / 7.5 Hydrostatic Burst Test**
- **Section 6.7 / 7.6 Thermocycling**, adapted to the final application and to the available laboratory equipment
- **Section 6.6 / 7.7 Hydrostatic Sustained Pressure Strength**
  
- **ASTM F2769 (PE-RT)**
- **Section 6.4 / 7.5 Hydrostatic Burst Test**
- **Section 6.7 / 7.6 Hydrostatic Sustained Pressure**
- **Section 6.12.3 / 7.7 Thermocycling**, adapted to the final application and to the available laboratory equipment
  
- **ASSE 1061**
- **Section 3.2 Mechanical Separation Test**, performed according to EN 3501, a more stringent standard
- **Section 3.4 Bending Test**

It is recommended to comply with the local regulations in force regarding water conditioning and chemical treatment for HVAC and hydronic systems. Adherence to such regulations is essential to ensure the safety and efficiency of the system.

The materials used comply with:

- The relevant ASTM and ISO technical standards (EPDM)
- EN 12164 (brass)

Cuggiono (MI) – 06/03/2026

Chief Executive Officer  
Stefano Fracchia



Declaration No. DC.110.03.26.IT