



The Instantor<sup>®</sup> Copper Press Fittings are designed in two variations:

One containing **Black** coloured **EPDM** Sealing rings for use in Standard **Water** applications and the other contains **Yellow** coloured **HNBR** Sealing rings for use with 2nd & 3rd Family **Gases**.

The Fittings should be left in their packaging until use, this prevents the O-ring from drying out along with protecting the fittings from knocks, scratches or any external damage to the O-ring. If the fitting/O-ring is damaged or any defects are noticed Do Not Use and get a new fitting.

The Instantor<sup>®</sup> Gas Copper Press are marked in yellow with the word GAS for identification purposes.

The **Water** Fittings are designed to EN1254-7 and are **WRAS & KIWA** Approved. The **Gas** Fittings are designed to EN1254-7 and are **KIWA GASTEC** Approved.

Both WATER & GAS variants in NZ. sizes DN15, DN20 & DN25 are pressed using "VI" profile Jaws.

The **Water Fittings** incorporate a **Leak before Press** feature on the O-rings for ease of identifying unpressed fittings. For safety reason the Gas fittings do not incorporate this feature.

For use with Copper Tubes to: EN1057 (Imperial) and NZS3501 (Table I, II, III).  
Temper: Half Hard R250 and Hard R290.

**Not suitable for:** Uncontrolled/ solid fuel application, Solar High temperature primary flow and return lines. Refrigeration and Air conditioning, soft copper tube R220, any gases not specifically mentioned in the below table 1. Direct embedment/buried in concrete, aggregate, plaster or similar aggressive compounds, copper must be protected in these circumstances (sleeved).

**Table 1**

WATER			GAS		
Application	Pressure (Bar)	Temperature (°C)	Application	Pressure (Bar)	Temperature (°C)
O-ring Material type+ colour	EPDM (Ethylene propylene Diene Monomer)	<b>BLACK</b>	O-ring Material+ colour	HNBR (Hydrogenated Nitrile Butadiene Rubber)	<b>YELLOW</b>
Hot & Cold potable	16	70°C per Regulation Max :120°C	Natural Gas installations 2'd & 3cd family Gases	MOP 5 200mbar domestic	-20 to +70°C
Cold Potable (Drinking Call.)	16	20°C (±5°)	Liquid Gas Installations (LPG)	MOPS 200mbar domestic	-20 to +70°C
Water Based Heating	16	120°C	Heating Oil/ Diesel/ Kerosine	MOPS	+40°C
Service Water	16	40°C	Compressed Air With oil	10	+70°C
Remote Network Heating<120°C	16	120°C	Bio Gas	MOPS	+70°C
Chilled water	10	-25°C	*Inspect the rain water composition to confirm its compatible with copper prior to installation. Check for any microbiological incompatibility, high salts, ammonia compounds and high concentration of organic compounds.		
Rain water* PH>6.0 <9.0 (Inspect water quality)	10	Ambient			
Sprinkler (WET)	10	Ambient			
Compressed Air- Oil Free (<1mg/m3)	10	70°C			
Vacuum	-0.8	Ambient			

If the application is not listed above then **Do Not Use**. Confirmation is required via a consultation.

