



Instantor[®]

Copper Press



Please Note: Black O-rings are for use with potable water

Summary of Fittings & Tools Available

FITTINGS - 15, 20 & 25MM

- 90° Bends
- 90° Elbows
- 45° Elbows
- Equal Tees
- Reducing Tees
- Reducers (F/F)
- Fitting Reducers (M/F)
- 90° Bent Swivel Connector
- Straight Swivel Connector
- Straight Brass Coupler (M)
- Straight Brass Coupler (F)
- Brass Wingback
- Tube Joiner
- Slip Coupler
- End Cap

TOOLS & ACCESSORIES

- Press Guns
- Jaws



FOR USE WITH VI PRESS PROFILE APPLICATIONS

- Press with an Instantor Press Tool using VI jaws
 - Press with a REMS Press Tool using VI jaws
 - Press with an ACO153 (KPS/Ke-Kelit) tool using VI jaws
- VI Jaws to fit this Press Gun are available through Highflo

Approvals & Training

Instantor Copper Press fittings have WRAS and KIWA approval and have been designed and manufactured to IS EN 1254-7 (DC) so are perfectly suited to NZS3501 potable water installations.



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Make the connection with us socially



Instantor[®]

Copper Press



Superior Plumbing Products
Manufactured by Sanbra Fyffe

Copper Press Fittings for
NZS3501 Copper Tube





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Product Overview

VI Profile - Sizes 15, 20 & 25mm

Instantor Copper Press fittings offer a high-quality modern solution with flame free jointing for faster and safer installation.

Instantor Copper Press fittings are WRAS approved and manufactured to EN 1254-7. Fittings include a specially designed pre-lubricated EPDM O-Ring with a Leak-Before-Press feature on each connection, which when pressed correctly, deliver a water-tight seal in seconds without the need for any solder.

Quick to install in 5 simple steps – Cut, Calibrate, Check, Mark, & Press, - saving on time and costs when compared with traditional copper solder methods.

Application

Fittings with black EPDM O-Rings are designed for use in hot and cold water services, heating systems*, chilled water.

Instantor Copper press fittings are designed to be used with hard or half hard copper pipe conforming to NZS3501.

*Excluding solar heating applications.

*Excluding solid fuel primary pipelines.

*Excluding directly buried / embedded applications.

Features

- Flame Free Jointing. No hotworks permit required. Flame free installation makes for a safer job and shortened project times.
- Quick & simple to install. Faster than traditional solder methods, saves on time and material costs.
- WRAS Approved. Instantor Copper press fittings are WRAS approved. Approval # 2003301
- EPDM O-Rings with Leak-Before-Press feature designed to identify un-pressed joints during system testing.
- 'VI' Profile jaws should be used for these fittings.
- Operating Pressure/temperatures – 16bar @ 30°C, 10bar @ 95°C. Max 110°C, Min -25°C
- Aesthetically Pleasing Finish. Flux and heat free system provides for a neater, cleaner finish.



System Testing

Leak and Pressure testing of the system should be carried out in accordance with the New Zealand Standard noting that all joints should remain visible and accessible until such time as testing is completed and the system shown to be compliant.

Guarantee

Copper is known for its durability, corrosion resistance, thermal conductivity, and hygienic qualities. In some cases, (e.g. chilled water lines) external protection may be required to protect against corrosive conditions.

Instantor Copper Press fittings are guaranteed for 25 years provided they have been installed following correct procedure within operating conditions for which they are designed, by a fully qualified plumber using the correct pressing equipment which holds a valid calibration certificate.

Space Between Fittings

Minimum spacing between fittings is recommended as follows:

15mm	- 10mm space
20mm	- 20mm space
25mm	- 20mm space

Warning

Due care should be taken to prevent damage to copper press fittings and O-rings by heat transfer due to nearby brazing.

High temperature can anneal copper pipe making it too soft for press fit. When adding press fit to an existing installation ensure tube is 'As New', has not previously been annealed, nor is it showing any witness marks of localised heating. Tube must also be free of any evidence of erosion or gauge thinning which would compromise a press fit installation.

Application



1 - Cut



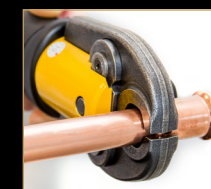
2 - Calibrate



3 - Check



4 - Mark



5 - Press

NOTE: **Fittings should be kept in original packaging to protect the O-ring and prevent drying out of lubrication.

1. **Cut Pipe** - Ensure that the fitting is the correct size for the tube being used. Cut the pipe to length using a good quality pipe cutter or rotary pipe cutter. It is important that pipe ends are clean, cut square, and the pipe is not deformed. High speed grinding wheels are not suitable.
2. **Calibrate** - All burrs and sharp edges should be removed. Using a de-burring tool to both the inside and outside of the pipe, leaving an external chamfer. Wipe the pipe end clean. The pipe ends should be free from scratches or scores for a distance not less than the socket depth.
NOTE: A poorly calibrated pipe could damage the O-ring on insertion.
3. **Check O-Ring** - Before inserting the pipe, check the O-ring is seated, lubricated and free from damage. (Re-moisten O-ring with water if necessary**)
4. **Mark Insertion Depth** - Insert the pipe fully into the socket of the fitting until it hits the pipe stop (or until pipes meet in the middle in fittings without a pipe stop). Mark the insertion depth with black marker to ensure the pipe has been fully inserted before pressing.
5. **Press** - Making sure to select the correct profile Jaw ('VI' for NZ Copper Press fittings), execute the press cycle. After the press tool cycle is complete remove the Press Jaws and check that the socket depth marking on the pipe has remained in place, adjacent to the mouth of the fitting.