



Instantor[®]

Copper Press



Superior Plumbing Products
Manufactured by Sanbra Fyffe

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Product Overview

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 future standard 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 and oil-free compressed air applications.

Instantor Copper press fittings are designed to be used with hard or half hard copper pipe conforming to EN 1057.

*Excluding solar heating 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 # 1903373
- EPDM O-Rings with Leak-Before-Press feature designed to identify un-pressed joints during system testing.
- 'M' Profile jaw
- 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

Testing of the system should be carried out to 1.5 times the working pressure of the system, up to a maximum of 16bar.

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 using correct procedure and equipment by a fully qualified plumber.

Spacing Between Fittings

Minimum spacing between fittings is recommended as follows:

- 15mm-35mm Fittings - 10mm Space
- 42mm-54mm Fittings - 20mm Space

Pipe Support

Pipe supports should be used to prevent movement and vibration in the finished system. See page 7

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.

Application



1 - Cut



2 - Calibrate



3 - Check



4 - Mark



5 - Press

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 and cut square. High speed grinding wheels are not suitable. Alternatively, use a fine-tooth hacksaw, making sure that the cut is square and the pipe is not deformed.

2. **Calibrate** - All burrs and sharp edges should be removed. Using a de-burring tool to both the inside and outside of the pipe. Wipe the pipe end clean. The clean, square-cut pipe ends should also have an external chamfer applied. 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.

Size	Depth
15mm	20mm
22mm	21mm
28mm	23mm

5. **Press** - Making sure to select the correct profile Jaw ('M' for metric Instantor Copper Press), 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.

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

Fittings

CP410 Straight Coupler



CODE	SIZE	PACK QTY	PRICE €
CP410001	15mm		
CP410002	22mm		
CP410003	28mm		

CP410 Straight Reducer



CODE	SIZE	PACK QTY	PRICE €
CP410021	22mm x 15mm		
CP410031	28mm x 15mm		
CP410032	28mm x 22mm		

CP410 Slip Coupler



CODE	SIZE	PACK QTY	PRICE €
CP4100S1	15mm		
CP4100S2	22mm		
CP4100S3	28mm		

CP411 Straight Coupler M.I x Press



CODE	SIZE	PACK QTY	PRICE €
CP411001	1/2" M x 15mm		
CP411002	3/4" M x 22mm		
CP411003	1" M x 28mm		

Not WRAS Approved

CP412 Straight Coupler F.I x Press



CODE	SIZE	PACK QTY	PRICE €
CP412001	1/2" F x 15mm		
CP412002	3/4" F x 22mm		
CP412003	1" F x 28mm		

Not WRAS Approved

CP415 Elbow



CODE	SIZE	PACK QTY	PRICE €
CP415001	15mm		
CP415002	22mm		
CP415003	28mm		
CP415021	22mm x 15mm		
CP415031	28mm x 15mm		
CP415032	28mm x 22mm		

CP418 Equal Tee



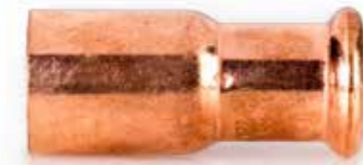
CODE	SIZE	PACK QTY	PRICE €
CP418001	15mm		
CP418002	22mm		
CP418003	28mm		

CP418 Reducing Tee



CODE	SIZE	PACK QTY	PRICE €
CP418112	15mm x 15mm x 22mm		
CP418211	22mm x 15mm x 15mm		
CP418212	22mm x 15mm x 22mm		
CP418221	22mm x 22mm x 15mm		
CP418223	22mm x 22mm x 28mm		
CP418311	28mm x 15mm x 15mm		
CP418312	28mm x 15mm x 22mm		
CP418313	28mm x 15mm x 28mm		
CP418321	28mm x 22mm x 15mm		
CP418322	28mm x 22mm x 22mm		
CP418323	28mm x 22mm x 28mm		
CP418331	28mm x 28mm x 15mm		
CP418332	28mm x 28mm x 22mm		

C419 Fitting Reducer



CODE	SIZE	PACK QTY	PRICE €
CP419021	22mm x 15mm		
CP419031	28mm x 15mm		
CP419032	28mm x 22mm		

CP425 Obtuse Street Elbow



CODE	SIZE	PACK QTY	PRICE €
CP425001	15mm		
CP425002	22mm		
CP425003	28mm		

CP435 Street Elbow



CODE	SIZE	PACK QTY	PRICE €
CP435001	15mm		
CP435002	22mm		
CP435003	28mm		

CP445 Obtuse Bend



CODE	SIZE	PACK QTY	PRICE €
CP445001	15mm		
CP445002	22mm		
CP445003	28mm		

CP451 Stop End



CODE	SIZE	PACK QTY	PRICE €
CP451001	15mm		
CP451002	22mm		
CP451003	28mm		

Tools & Accessories

Press Guns

CODE	SIZE	PRICE €
CP20020M REMS 578X04	REMS Mini Press Gun 14.4V Battery Incl. 15, 22 & 28mm M Jaws & Case	
CP20041M REMS 578X05	REMS Mini Press Gun 22V Battery Incl. 15, 22 & 28mm M Jaws & Case	
CP20040M REMS 578X08	Straight REMS Mini Press Gun 22V Battery Incl. 15, 22 & 28mm M Jaws & Case	
IP20021	REMS 14.4V Battery	
IP20042	REMS 22V Battery	



Jaws

CODE	SIZE	PRICE €
CP20030	15mm M Jaws	
CP20031	22mm M Jaws	
CP20032	28mm M Jaws	



Manual Deburring Tool

CODE	SIZE	PRICE €
IP20015	Ø3-35mm - Manual - Yellow	
CP20015	Ø8-35mm - Manual & Electric Driven - Silver	



Pipe Cutters

CODE	SIZE	PRICE €
900115	15mm	
900122	22mm	
900117	28mm	



No. 60 Rubber Lined Clips

CODE	SIZE	PACK QTY	PRICE €
673414 PK	15 - 19mm	25	
673420 PK	20 - 25mm	25	
673426 PK	26 - 30mm	25	



No. 36 Cast Brass Screw On Brackets

CODE	SIZE	PACK QTY	PRICE €
673010 PK	15mm	100	
673020 PK	22mm	50	
673030 PK	28mm	50	



No. 90 Snap In Plastic Clips

CODE	SIZE	PACK QTY	PRICE €
695010 PK	15mm	100	
695020 PK	22mm	100	
695030 PK	28mm	100	



No. 92 Nail In Clips

CODE	SIZE	PACK QTY	PRICE €
695062 PK	15mm	100	
695063 PK	22mm	100	
695064 PK	28mm	100	



No. 93 Snap Over Clips

CODE	SIZE	PACK QTY	PRICE €
695110 PK	15mm	100	
695120 PK	22mm	100	
695130 PK	28mm	100	



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Certification



Sanbra Fyffe Ltd, The Makers of Instantor, is an ISO 9001:2015 quality assured company.

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Make the connection with us socially

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