



Instantor[®]

Copper Press

For **Irish & Metric** Copper Pipe



Superior Plumbing Products
Manufactured by Sanbra Fyffe

www.instantor.ie





Instantor[®]

Copper Press

Product Overview

VI Profile - Sizes 1/2, 3/4" & 1"
M Profile - Sizes 15, 22, 28, 35, 42 & 54mm

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* and chilled water.

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

*Excluding solar heating applications, solid fuel primary pipelines and 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.
Imperial/Irish Approval # 2003301
Metric Approval # 1903373
- EPDM O-Rings with Leak-Before-Press feature designed to identify un-pressed joints during system testing.
- 'VI' Profile jaw for Irish/Imperial fittings & 'M' profile jaw for Metric fittings.
- Operating Pressure/temperatures –
16bar @ 30°C, 10bar @ 95°C.
Max 110°C, Min -25°C to -20°C
- Aesthetically Pleasing Finish. Flux and heat free system provides for a neater, cleaner finish.

Pipe Support

Pipe supports should be used to prevent movement and vibration in the finished system. See page 10

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

Spacing Between Fittings

Minimum spacing between fittings is recommended as follows:

15mm / 1/2"	- 10mm space
22mm / 3/4"	- 20mm space
28mm / 1"	- 20mm space
35mm	- 20mm space
42mm	- 20mm space
54mm	- 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.

System Testing

Pressure testing on Instantor Copper Press fittings should normally be carried out using clean potable water in accordance with EN806.

System Testing Cont.

All fitting joints installed in the system must remain completely visible and accessible until the system has been successfully leak and pressure tested.

After flushing, fill the system with clean potable water ensuring all trapped air has been expelled.

Apply pressure between 1 and 2 bar and perform inspection for un-pressed fittings. If un-pressed fittings are identified, they may be pressed without draining the system. Do not press fittings more than once. When satisfied, no un-pressed fittings remain, increase pressure slowly to the system test pressure. Testing of the system should be carried out in accordance with EN806 to 1.1 times the working pressure (Maximum Design Pressure) of the system.

Full test pressure should hold for a minimum of 30 minutes without any sign of drop in pressure.

Final visual inspection should then be carried out to confirm system is leak tight.

Application



1 - Cut

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

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

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

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

5. **Press** - Making sure to select the correct profile Jaw ('VI' for Imperial/Irish Instantor Copper Press & '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.

Imperial Fittings

CP310 Straight Coupler



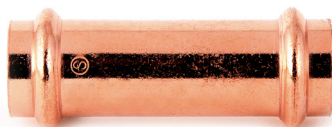
CODE	SIZE	PACK QTY	PRICE €
CP310001	1/2"	10	
CP310002	3/4"	10	
CP310003	1"	10	

CP310 Straight Reducer



CODE	SIZE	PACK QTY	PRICE €
CP310021	3/4" x 1/2"	10	
CP310031	1" x 1/2"	10	
CP310032	1" x 3/4"	10	

CP310 Slip Coupler



CODE	SIZE	PACK QTY	PRICE €
CP3100S1	1/2"	10	
CP3100S2	3/4"	10	
CP3100S3	1"	10	

CP311 Straight Coupler M.I x Press



CODE	SIZE	PACK QTY	PRICE €
CP311001	1/2" M x 1/2" Press	10	
CP311002	3/4" M x 3/4" Press	10	
CP311003	1" M x 1" Press	10	

Not WRAS Approved

CP312 Straight Coupler F.I x Press



CODE	SIZE	PACK QTY	PRICE €
CP312001	1/2" F x 1/2" Press	10	
CP312002	3/4" F x 3/4" Press	10	
CP312003	1" F x 1" Press	10	

Not WRAS Approved

CP313 Bent Swivel Connector



CODE	SIZE	PACK QTY	PRICE €
CP313001	1/2" x 1/2"	10	

Not WRAS Approved

CP314 Straight Swivel Connector



CODE	SIZE	PACK QTY	PRICE €
CP314001	1/2" x 1/2"	10	

Not WRAS Approved

CP315 Elbow



CODE	SIZE	PACK QTY	PRICE €
CP315001	1/2"	10	
CP315002	3/4"	10	
CP315003	1"	5	
CP315021	3/4" x 1/2"	10	
CP315031	1" x 1/2"	5	
CP315032	1" x 3/4"	5	

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

CP317W Elbow



CODE	SIZE	PACK QTY	PRICE €
CP319001	1/2"	10	
CP319002	3/4"	10	

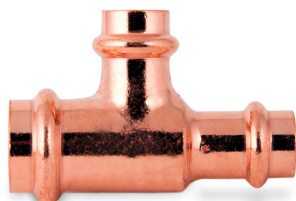
Not WRAS Approved

CP318 Equal Tee



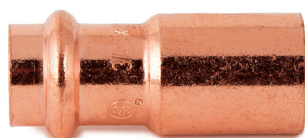
CODE	SIZE	PACK QTY	PRICE €
CP318001	1/2"	10	
CP318002	3/4"	10	
CP318003	1"	5	

CP318 Reducing Tee



CODE	SIZE	PACK QTY	PRICE €
CP318112	1/2" x 1/2" x 3/4"	10	
CP318211	3/4" x 1/2" x 1/2"	10	
CP318212	3/4" x 1/2" x 3/4"	10	
CP318221	3/4" x 3/4" x 1/2"	10	
CP318223	3/4" x 3/4" x 1"	10	
CP318311	1" x 1/2" x 1/2"	5	
CP318312	1" x 1/2" x 3/4"	5	
CP318313	1" x 1/2" x 1"	5	
CP318321	1" x 3/4" x 1/2"	5	
CP318322	1" x 3/4" x 3/4"	5	
CP318323	1" x 3/4" x 1"	5	
CP318331	1" x 1" x 1/2"	5	
CP318332	1" x 1" x 3/4"	5	

CP319 Fitting Reducer



CODE	SIZE	PACK QTY	PRICE €
CP319021	3/4" x 1/2"	10	
CP319031	1" x 1/2"	10	
CP319032	1" x 3/4"	10	

CP325 Obtuse Street Elbow



CODE	SIZE	PACK QTY	PRICE €
CP325001	1/2"	10	
CP325002	3/4"	10	
CP325003	1"	5	

CP335 Street Elbow



CODE	SIZE	PACK QTY	PRICE €
CP335001	1/2"	10	
CP335002	3/4"	10	
CP335003	1"	5	

CP345 Obtuse Bend



CODE	SIZE	PACK QTY	PRICE €
CP345001	1/2"	10	
CP345002	3/4"	10	
CP345003	1"	5	

CP351 Stop End



CODE	SIZE	PACK QTY	PRICE €
CP351001	1/2"	20	
CP351002	3/4"	15	
CP351003	1"	10	

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

Metric Fittings

CP410 Straight Coupler



CODE	SIZE	PACK QTY	PRICE €
CP410001	15mm	10	
CP410002	22mm	10	
CP410003	28mm	10	
CP410004	35mm	L	
CP410005	42mm	L	
CP410006	54mm	L	

CP410 Straight Reducer



CODE	SIZE	PACK QTY	PRICE €
CP410021	22mm x 15mm	10	
CP410031	28mm x 15mm	10	
CP410032	28mm x 22mm	10	

CP410 Slip Coupler



CODE	SIZE	PACK QTY	PRICE €
CP4100S1	15mm	10	
CP4100S2	22mm	10	
CP4100S3	28mm	10	

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

CP413 Bent Swivel Connector



CODE	SIZE	PACK QTY	PRICE €
CP413001	15mm x 1/2"	10	

Not WRAS Approved

CP414 Straight Swivel Connector



CODE	SIZE	PACK QTY	PRICE €
CP414001	15mm x 1/2"	10	

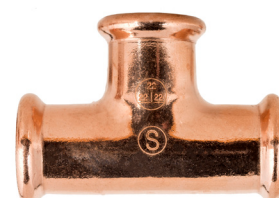
Not WRAS Approved

CP415 Elbow



CODE	SIZE	PACK QTY	PRICE €
CP415001	15mm	10	
CP415002	22mm	10	
CP415003	28mm	5	
CP415004	35mm	L	
CP415005	42mm	L	
CP415006	54mm	L	
CP415021	22mm x 15mm	10	
CP415031	28mm x 15mm	5	
CP415032	28mm x 22mm	5	

CP418 Equal Tee



CODE	SIZE	PACK QTY	PRICE €
CP418001	15mm	10	
CP418002	22mm	10	
CP418003	28mm	4	
CP418004	35mm	L	
CP418005	42mm	L	
CP418006	54mm	L	

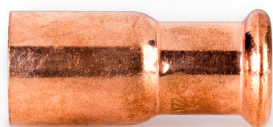
Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

CP418 Reducing Tee



CODE	SIZE	PACK QTY	PRICE €
CP418112	15mm x 15mm x 22mm	10	
CP418211	22mm x 15mm x 15mm	10	
CP418212	22mm x 15mm x 22mm	10	
CP418221	22mm x 22mm x 15mm	10	
CP418223	22mm x 22mm x 28mm	5	
CP418311	28mm x 15mm x 15mm	5	
CP418312	28mm x 15mm x 22mm	5	
CP418313	28mm x 15mm x 28mm	5	
CP418321	28mm x 22mm x 15mm	5	
CP418322	28mm x 22mm x 22mm	5	
CP418323	28mm x 22mm x 28mm	5	
CP418331	28mm x 28mm x 15mm	5	
CP418332	28mm x 28mm x 22mm	5	

CP419 Fitting Reducer



CODE	SIZE	PACK QTY	PRICE €
CP419021	22mm x 15mm	10	
CP419031	28mm x 15mm	10	
CP419032	28mm x 22mm	10	
CP419043	35mm x 28mm	L	
CP419054	42mm x 35mm	L	
CP419065	54mm x 42mm	L	

CP425 Obtuse Street Elbow



CODE	SIZE	PACK QTY	PRICE €
CP425001	15mm	10	
CP425002	22mm	10	
CP425003	28mm	5	

CP435 Street Elbow



CODE	SIZE	PACK QTY	PRICE €
CP435001	15mm	10	
CP435002	22mm	10	
CP435003	28mm	5	

CP445 Obtuse Bend



CODE	SIZE	PACK QTY	PRICE €
CP445001	15mm	10	
CP445002	22mm	10	
CP445003	28mm	5	

CP451 Stop End



CODE	SIZE	PACK QTY	PRICE €
CP451001	15mm	20	
CP451002	22mm	15	
CP451003	28mm	10	
CP451004	35mm	L	
CP451005	42mm	L	
CP451006	54mm	L	

IP21 PRESS ADAPTOR TO COPPER PRESS



CODE	SIZE	PACK QTY	PRICE €
IP21001	16mm x 15mm	10	
IP21002	20mm x 22mm	10	
IP21003	26mm x 28mm	10	
IP21004	16mm x 1/2"	10	
IP21005	20mm x 3/4"	10	
IP21006	26mm x 1"	10	

Note: Fittings should be kept in original packaging to prevent O-ring lubrication drying out before use.

Tools & Accessories

Instantor 18V Mini Press Tool

CODE	DESCRIPTION	PRICE €
IT2020	Instantor Mini Press Tool 18V	
IT2020MK	Instantor Mini Press Tool 18V Kit includes 15, 22 & 28mm M Jaws , 2 x 4.0Ah batteries & case Output - 19kN	
IT2020VIK	Instantor Mini Press Tool 18V Kit includes ½", ¾" & 1" M Jaws , 2 x 4.0Ah batteries & case Output - 19kN	
IT2020THK	Instantor Mini Press Tool 18V Kit includes 16, 20, 26 & 32mm TH Jaws , 2 x 4.0Ah batteries & case Output - 19kN	



Instantor 18V Large Press Tool

CODE	DESCRIPTION	PRICE €
IT2040	Instantor Large Press Tool 18V	
IT2040MK	Instantor Large Press Tool 18V Kit includes 35, 42 & 54mm M Jaws & Adaptor Tongs (Required for 42 & 54mm Jaws), 2 x 4.0Ah batteries & case Output - 32kN	



Additional Items

CODE	DESCRIPTION	PRICE €
IT20042	Instantor 4.0Ah Battery	
IT20029	Instantor Adaptor TH50 / TH63 / M42 / M54	



Instantor Press Jaw Case & Sets

CODE	DESCRIPTION	PRICE €
IT20050	Instantor Press Jaw Case Only	
IT20050MK	Instantor M Press Jaw Case	
IT20050VIK	Instantor VI Press Jaw Case	
IT20050THK	Instantor TH Press Jaw Case	

Instantor Press Jaws

CODE	DESCRIPTION	PRICE €
IT20019	Instantor ½" VI Jaws	
IT20020	Instantor ¾" VI Jaws	
IT20021	Instantor 1" VI Jaws	
IT20022	Instantor 16mm TH Jaws	
IT20023	Instantor 20mm TH Jaws	
IT20024	Instantor 26mm TH Jaws	
IT20025	Instantor 32mm TH Jaws	
IT20026	Instantor 40mm TH Jaws	
IT20027	Instantor 50mm TH Jaw Ring	
IT20028	Instantor 63mm TH Jaw Ring	
IT20030	Instantor 15mm M Jaws	
IT20031	Instantor 22mm M Jaws	
IT20032	Instantor 28mm M Jaws	
IT20033	Instantor 35mm M Jaws	
IT20034*	Instantor 42mm M Jaw Ring	
IT20035*	Instantor 54mm M Jaw Ring	

*Requires Adaptor Tong IT20029



REMS Manual Deburring Tool

CODE	SIZE	PRICE €
IP20015	Ø3-35mm - Manual - Yellow	
CP20015	Ø8-35mm - Manual Heavy Duty -Silver	



Pipe Cutters

CODE	SIZE	PRICE €
900115	15mm / ½"	
900122	22mm	
900121	¾"	
900117	28mm	
900123	1"	



REMS Hand Pressure Testing Pump

CODE	SIZE	PRICE €
IP20043	60 bar Pressure Testing Pump	



No. 60 Rubber Lined Clips

CODE	SIZE	PACK QTY	PRICE €
673414 PK	15 - 19mm	1	
673420 PK	20 - 25mm	1	
673426 PK	26 - 30mm	1	



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	





Instantor[®]

Copper Press Fittings



For **Irish & Metric**
Copper Pipe

Superior Plumbing Products Manufactured by Sanbra Fyffe –



Instantor[®]
Copper Press

Certification



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

T 01 842 6255 E sales@instantor.ie www.instantor.ie

Sanbra Fyffe Ltd.

Instantor Works, Santry Avenue, Santry, Dublin D09 K160



Make the connection with us socially

22.11 - Unpriced