

>B< Press



>B< Press fittings are quick and easy to install and are available in copper and lead-free brass. This flame-free range is designed with an innovative 3-point press system, featuring a secure, permanent leak-free joint that is suitable for multiple applications.

- Suitable for potable water, hydronic heating, chilled water, compressed air, non-medical gases, low pressure steam, vacuum.
- Quick and easy to install, saving on labor costs.
- Permanent, flame-free connection - no hot works permit required.
- Suitable for use with hard, half-hard and soft copper tubes to ASTM B88.
- Unpressed joint indicator assists identification of unpressed joints.
- Manufactured using high quality materials to applicable standards.
- Tested and approved by national and international standard authorities.
- Maximum working pressure 300 psi (for water applications).
- Fifty year limited warranty
- Maximum working temperature 250°F.
- 3-point press safety feature for added security.
- No soldering or brazing consumables required.
- Comprehensive range of fittings - sizes from 1/2" to 2".
- Compatible with commonly available press tools
- Suitable for concealed water installations.

Unpressed joint indicator

>B< Press benefits from a patented O-ring technology. This tri-lobal O-ring allows water to pass through and create a noticeable leak when the system is tested at low pressure (1.5 to 85 psi).

Listings and Certificates	
IAPMO	Z 1117
NSF/ANSI	61
NSF/ANSI	372
ICC-ES	LC 1002

Standards and Codes Compliance	
ASME	B16.51 Copper and Copper Alloy Press-Connect Pressure Fittings
	B31 Code for Pressure Pipe; Standards B31.1, B31.3 and B31.9
	B1.20.1 Pipe Threads, General purpose, Inch
IAPMO	Uniform Plumbing Code (UPC)
	National Plumbing Code of Canada (NPC)
	California Health and Safety Code - Lead Free Plumbing Products
ICC	International Residential Code (IRC)
	International Plumbing Code (IPC)
	International Mechanical Code (IMC)

Type of service	Comments	Pressure psi	Temp °F
Fluids/water			
Hot and cold potable water	-	300	32 to 250
Rainwater/gray water	PH 6.5 < 9.5	300	32 to 250
Chilled water	Ethylene glycol/ Propylene glycol*	300	0 to 250
Hydronic heating	Up to 50% Ethylene glycol/Propylene glycol	300	32 to 250
Cooling water	Up to 50% Ethylene glycol/Propylene glycol	300	0 to 250
Fuel oil and lubricant			
Ethanol	Pure grain alcohol	200	Ambient
Gases			
Compressed air	Less than 25mg/m ³ oil content	200	Up to 140
Nitrogen	-	200	Up to 140
Argon	Welding use	200	Up to 140
Vacuum	-	24.5 in Hg	Up to 140
Carbon dioxide - CO ₂	Dry	200	Up to 140

>B< Press Installation Process

Please scan the QR code to watch the full video



*Federal, state and local regulations, codes of practice and bylaws governing the installation must be adhered, during the selection of the tubes and fittings for different applications.

>B< Press Installation Process



1. Cut tube to length

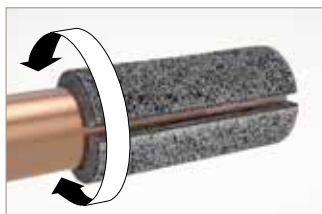
- Use a rotary tube cutter.
- Ensure that the tube is cut square.
- Check the tube has retained its shape and is damage free.



2. Deburr

- Deburr the tube both internally and externally.
- Where possible angle the tube downwards to prevent filings entering the tube.
- Make sure the internal and external surfaces of the tube ends are smooth and free from burrs or sharp edges.

Caution: Please ensure that the tube surface is free from any deep scores or scratches.



3. Clean the tube

- Thoroughly clean the tube end using a rovlie or similar cleaning pad in a rotating action.
- Tube ends must be free from scratches, oxidation, dirt and debris.



4. Check for scratches and scores

- If deep scratches are still visible, cut the tube back to a clean section and prepare the tube end again.



5. Check the fittings

- Check the fitting is the correct size for the tube.
- Check the O-rings are present and correctly seated.
- Additional >B< Press lubricant (silicon oil) may be used to aid tube insertion. (MPABPSOIL100ML)



6. Assemble and mark the insertion depth

- The tube must be fully inserted into the fitting until it reaches the tube stop.
- To reduce the risk of dislodging the O-ring, rotate the tube (if possible) while slipping it into the fitting.
- Mark the insertion depth on the tube.
- Prior to pressing ensure the tube has not moved out from the fitting socket.



7. Complete the joint with the press tool

- Ensure pipework is correctly aligned prior to pressing.
- Ensure the correct size jaw is inserted into the tool.
- The jaws must be placed squarely on the fitting, locating the groove on the bead.
- The bead on the fitting should fit centrally in the groove of the jaw.
- Depress and hold the start button on the press tool to complete the pressing cycle.
- Pressing is complete when the jaws are fully closed.
- Complete the press cycle once only – do not re-press.



8. Mark the completed joint

- Mark the completed joint after pressing.
- This enables joints to be inspected easily before testing.