



Technical Data Sheet

Copper Press

Products



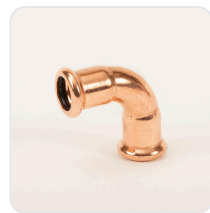
6040M
Copper Press 45
Deg Street Elbow



6041M
Copper Press 45
Deg Equal Elbow



6090GM
Copper Press
Female Elbow



6090M
Copper Press
Equal Elbow



6092GM
Copper Press Male
Elbow



6092M
Copper Press
Street Elbow



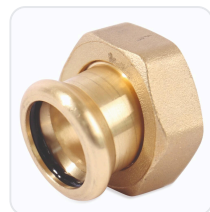
6130GM
Copper Press
Female Tee



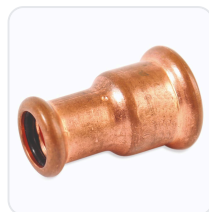
6130M
Copper Press
Equal Tee



6130RM
Copper Press
Reduced Tee



6240GM
Copper Press
Swivel Connector



6240M
Copper Press
Reducing Coupling



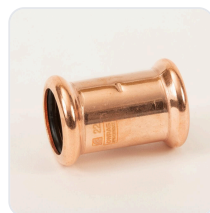
6243GM
Copper Press Male
Adaptor



6243M
Copper Press
Fitting Reducer



6270GM
Copper Press
Female Adaptor



6270M
Copper Press
Straight Coupling



6270SM
Copper Press Slip
Coupling



6301M
Copper Press Stop
End



6341GM
Copper Press Male
Union



6472GM
Copper Press
Wallplate Elbow

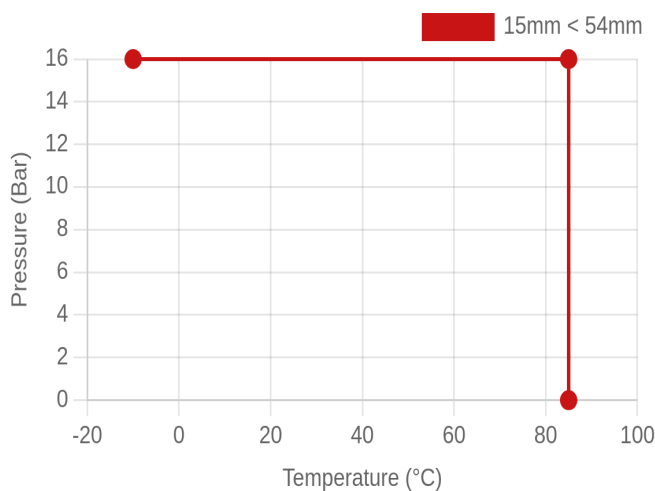
Technical Information

Technical

Flowflex Copper Press Working Conditions

⚠ All working conditions assume that the components have been assembled and connected correctly, and adhere to their respective tube compatibility.

If you are planning to use our products in applications outside the scope of our recommendations, approval must be sought from us beforehand. Please contact us in these cases.



Intermediate pressure ratings shall be obtained by interpolation

Flowflex Copper Press Fittings Electrical Continuity

Equipotential Bonding forms an important part of an installation, which ensures that all metalwork may be earthed or at least has the same potential to reduce the risk of equipment damage and personal injury. Isolated fittings or valves are not required to be bonded.

Flowflex Copper Press Fittings provide guaranteed electrical continuity when correctly assembled with BS EN 1057 Copper Tube.

After all plumbing work has been completed, always ensure continuity checks are conducted by a qualified electrician in accordance with regulations (BS 7671:2001).

Preparation

Selecting Pipe For Flowflex Press Connections

When choosing pipes to use in conjunction with Flowflex Press Fittings, it's essential to ensure compatibility and reliability. Here's a guide to help you select the right pipe for your fittings.

Press Connections On Copper Pipe

Flowflex Copper Press Fittings are manufactured to BS EN 1254-7 and as such are designed to connect BS EN 1057 Copper tube. Depending on the type of gasket, they can be used with water, gas or other industrial applications. The applications of each of our product range are clearly marked on their respective product pages.

Ensure the tube that you are using conforms to this specification, and that the tube outer diameter matches the size of the fitting. Ensure that both the tube and fitting are clean, in good condition and free from any damage or imperfections.

Assembly

How To Prepare Your Copper Pipe

Equipment

Tools

- Pipe Cutter
- Deburring Tool
- Hand Protection

Supplies

- Copper Pipe

Installation Steps

01

Cut Your Pipe To Size

Cut your pipe cleanly across the tube diameter using a good quality pipe cutter or rotary pipe cutter.

i Cut Your Pipe Accurately

It is important to ensure that the pipe ends are clean and cut square. Failure to do so could impact on the quality of your jointing. If your cut is not flat, or your pipe is too short, the pipe may not hit the pipe stop compromising the joint integrity. Too long and you may introduce strain into the whole system.

02

Clean The Socket Of The Pipe

Using your deburring tool, make sure the inside of the pipe is smooth and will not interfere with the flow.

03

Clean The Outside Of The Pipe

Clean the outside of the pipe, making sure that there is no pipe residue, dirt or grit is present near the joint. Failure to remove all oxides and any material where the fittings and tube overlap can interfere with the capillary action and thus will reduce the strength of the soldered joint, resulting in failure.

To the same effect, over zealous cleaning can result in too much material being removed, resulting in a loose fit and failure.

How To Install M Profile Press Fittings

Equipment

Tools

- Press Tooling - 'M' Profile Jaws
- Press Gun

Supplies

- Pipe
- M Profile Press Fittings

Installation Steps

01

Check And Mark

Before inserting the pipe, check the O-ring is present, lubricated and free from damage.

Insert the tube into the fitting up until it hits the pipe stop. Mark the insertion depth with a black marker on the tube to ensure the pipe has been fully inserted before pressing.

Make Sure Everything Is Clean And Free Of Debris

It is important that the outside of the pipe and the socket of the fitting are clean and free from debris. Any debris could damage the O-Ring on insertion.

02

Crimp The Fitting

Ensure you select the correct size jaw and that the jaw is M profile. The jaw must be placed square on the fitting and the joint is only complete when the mouth of the fitting is fully enclosed by the jaws.

After the press cycle is complete remove the jaws and check that the socket depth marking on the pipe has remained in place, adjacent to the now pressed mouth of the fitting.

Commissioning

Testing Your Install

We strongly recommend that all systems are thoroughly tested upon completion. Whenever possible, completed systems should also be flushed to remove any debris, ensuring optimal performance and longevity.

Regular testing and flushing not only ensure the reliability of your installation but also prevent future maintenance issues, promoting a smooth and efficient system operation.

Testing Hydraulic Installations

For hydraulic-based installations, the system should be tested to 1.5 times the working pressure. This helps identify any potential issues and confirms the system's integrity. If higher test pressures are required for your specific application, please contact us for further guidance and support.