

FLOTECS
Fluid/Flue solutions®

FLOTECS- COMPRESSION FITTINGS



- Suitable for hot and cold drinking water, heating and chilled water systems.
- Designed for confined spaces and/or where the use of heat must be avoided.
- Connects a wide range of tubes in accordance with EN 1057.
- Available in duplex brass and/or dezincification resistant (DZR) brass or as dezincification immune red brass.
- Also available in chrome plated in accordance with EN 248.
- Compatible with low carbon steel, stainless steel, polyethylene (PE-X) and polybutylene (PB).
- Fast and easy to use flame-free installation.

Applications & Technical Information

Drinking water	Y
Sanitary water	Y
Heating and chilled water systems	Y
Compressed air	Y
LPG and natural gas	Y
Available sizes: Water	8 - 54 mm
Available sizes: Gas	8 - 28 mm (recommendation)
Available sizes: Compressed air	8 - 28 mm
Warranty	Backed by full manufacturers product warranty
Operating parameters: water	8 - 15 mm: 25 bar at 95°C
	28 mm: 16 bar at 95°C
	35 - 54 mm: 13 bar at 95°C
Operating parameters: gas	1 bar at 30°C
Operating parameters: compressed air	7 bar at 30°C
Material	Brass, DZR

Technical Data Compression Fittings Product Range

Compression fittings are designed to mechanically form a joint between the fitting and the pipe. When tightening the nut, you are compressing the olive onto the tube, creating a permanent seal. Flowflex compression fittings are manufactured in the UK to the BS EN 1254-2:1998 Standard.

- Compression Ends to BS EN 1254-2
- Male & Female Thread Ends to BS EN 1254-4
- Marked Flowflex UK EN 1254-2 on Cap Nut

Applications

- Domestic
- Commercial
- Industrial
- Hot and cold water services
- Heating installations
- Fuel services
- Low pressure gas pipework in domestic premises

Material Specification

Made from brass bar which conforms to British and European (CW) material designs, they are available in four finishes:

- Standard brass fittings
- Dezincification resistant (DZR) fittings
- Chrome plate finish, for use with chrome-plated copper tubes
- Nickel plate finish, for use with stainless steel tubes

Standard

CW614N
(CZ121)
CW617N
(CZ122)
CW602N
(CZ132)

Materials

Standard brass fittings
Standard brass fittings
Dezincification resistant (DZR) fittings

Installation Instructions Compression Fittings Product Range

Preliminaries

Tube Specification

Ensure the tube conforms to the 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.

Flowflex fittings are designed to connect BS EN 1057 tube, for water and gas in sanitary and heating applications.

Warranty only valid when compression fittings are used with Flowflex olives supplied with the fitting.

Equipment

Materials

Copper Pipe
Compression
Fitting

Tools

Adjustable Spanner
Pipe Cutting Tool
Internal & External Pipe Deburring
Tool

Installation

Cut Your Pipe To Size



Cut your pipe cleanly across the tube diameter.

It is important your pipe accurately. 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.

For Carbon, Stainless Steel and Chrome Plated Pipe, ensure no flats or score marks are visible on the outside surface of the tube. The weld bead should also not be visible.

