

International use

Although, relatively new to the UK and Ireland press fittings are widely used in other European countries. 20,000 'press fitting' tools are currently in use in Germany alone.

Push-fit fittings – connecting for excellence

Push-fit fittings help to meet three of the most urgent challenges facing both installers and contractors:

- Installing systems in less time without losing quality and reliability
- Making the most of tradesman skills
- Meeting the demands of insurance companies and clients for heat-free jointing



An example of a copper system installed by using push-fit fittings for connections made in seconds.

The current generation of push-fit fittings are top quality and give customers value for money and a neat appearance when used with copper tube.

The new fittings have an unobtrusive appearance, unlike plastic push fit products, and can be fitted in visible locations.

Neat connections in seconds

The connections are made in seconds but with the strength of a metal-based fitting. The fittings can be easily disconnected and joints re-made as required.

Tube Preparation

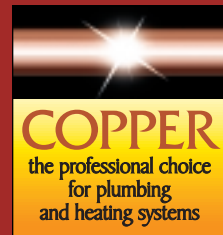
The tube should be properly cut with an appropriate tube cutter and the end deburred before being firmly inserted to the depth of the tube stop.

Accelerating your business performance

For more information on copper press fittings and push-fit fittings or any other information on copper plumbing please write to:

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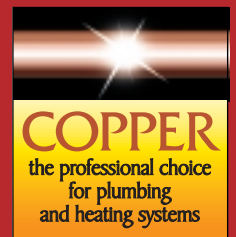
International Copper Association /
International Wrought Copper
Council / European Fittings
Manufacturers Association /
European Copper Institute.

www.copperplumbing.org

This leaflet is produced by the UK Copper Board

Flame-Free Systems

...the modern solution



Copper – meeting the challenges of the 21st century

Professional installers have been using copper for plumbing and heating systems for generations. Chosen for its high performance, reliability, durability, excellent quality, value for money and good-looks, copper continues to have a prominent position in the market place.

But copper is also moving with the times, evolving to meet the changing requirements of installers and specifiers.

The new range of flame-free copper jointing systems have introduced new benefits for installers and their customers alike. Press fittings and push-fit fittings are evidence of the innovative applications of copper as a modern material with modern solutions.

More choice

Despite a long tradition of soldering and brazing techniques, contractors are now choosing risk free jointing systems for their installations. When it comes to copper systems, there is no doubt that Soldering and Brazing are the traditional jointing techniques. However, where there was a risk of fire or fume inhalation, compression systems would be used.

Today, system designers have a wider choice of flame-free techniques with the introduction of push-fit and press fitting systems.

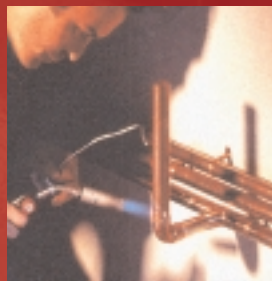
For refurbishment and repair

The presence of fumes is undesirable in occupied areas with a requirement for extra ventilation. Risks and problems are highly scrutinised in the refurbishment of hospitals, hotels and other public buildings, especially those with a high content of tinder dry timber.

Flame-Free Systems meet the demands of insurance companies and clients for heat-free jointing – with work usually taking place whilst the building continues to be occupied.

The benefits of flame-free systems:

- Work undertaken whilst building is occupied
- Fire officer presence is not required
- No fumes
- No additional ventilation required
- Use not restricted
- Very quick to install



Naked flame technique



Flame-free system

Press fittings – Quality and reliability at the press of a button

Press fittings allow fast, safe and efficient joints to be made, relying on pressure from a press tool to achieve a sound joint without the need for solder, flux or any other jointing materials. With the press of a button you can now create high quality joints in a fraction of the time needed for soldering or brazing. **Quality has become quicker.**

How does it work?

The system uses thick walled copper or gunmetal fittings that have a machine bead – similar to – containing an O ring that is pressed onto copper tube using a portable tool fitted with the appropriate jaws. The jointing tools now available are very user friendly.



Copper systems can be easily installed through the use of press fittings.

The range

The fittings are available in a wide range of sizes for both domestic and commercial applications.