

## MAINCOR IMPRESS COMPOSITE FITTINGS



### Overview

Maincor Composite Press Fittings, provide a simple and cost effective method of joining MLCP in plumbing applications for both domestic and commercial projects. The fittings allow for pipe connections of permanent non-demountable systems from sizes 16-32mm, and are suitable for use in both hot and cold water plumbing systems and heating applications.

### Why use Maincor Composite Press Fittings?

- **Less Chance of Errors** - The fitting will leak if the fitting is not pressed. This means that there is less chance of work being covered over before the leak is discovered, reducing warranty costs for the installer.
- **High Quality Construction** - The 'O'-rings are counter sunk to ensure that they are not dislodged or damaged during the installation process making for the most secure plumbing connections.
- **Larger Internal Bore** - Allows for significantly increased flow.
- **Viewing Windows** - Allowing the installer to check the pipe is inserted correctly, reducing the chances of an error.

### Technical Details

The fittings bodies are made from polyphenylsulfone (PPSU) which offers exceptional hydrolytic stability, and toughness superior to other commercially-available, high-temperature engineering resins. This resin also offers a high deflection temperature and outstanding resistance to environmental stress cracking.

The polymers are inherently flame retardant and provide excellent thermal stability. The press sleeves are made of stainless steel and are designed to be used in conjunction with Maincor's range of Press Tools.

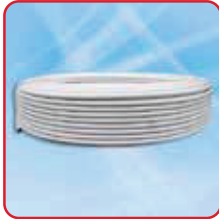
The fittings are manufactured in the EU in accordance with ISO 9001 & ISO 14001. The fittings are tested in accordance with UK requirements (WRAS) and further European approvals include KIWA and DVGW.



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### Key Components

#### Maincor MLCP, PE-RT/AL/PE-RT Coils



Maincor MLCP, PE-RT/AL/PE-RT, overlap welded aluminium Multi-Layer 100% barrier Composite Pipe, supplied in coils.  
Available in 16, 20, 25 and 32mm.

#### Equal Press Tee



Maincor Equal Press Tees are used to branch off main distribution pipework, allowing effective distribution to multiple services.

#### Maincor MLCP, PE-RT/AL/PE-RT Straight Lengths



Maincor MLCP, PE-RT/AL/PE-RT, overlap welded aluminium Multi-Layer 100% barrier Composite Pipe, supplied in 5m straight lengths.  
Available in 16, 20, 25 and 32mm.

#### Press Coupler/Press Reducer



Maincor Straight Press Couplers / Reducers are used where straight lengths in excess of 5m are required. By utilising the straight press fitting, multiple 5m lengths can be coupled together, giving the desired installation length.

#### 90° Press Elbow



Maincor 90° Press Elbows are used to achieve a tight bend, where a radius bend would be unachievable or undesirable.

### Composite Press Fittings - Installation Overview



1. Cut the pipe at a 90° angle.



2. Bevel the cut end of the pipe.



Unbevelled Pipe

3. Check to ensure there are no burrs.



Viewing Window

4. Insert the pipe into the fitting and check that the pipe is visible in each of the 3 viewing windows.



5. Using a standard Maincor 'U' profile press jaw and press tool, make the connection.



6. Joint Complete.

Always check the inside of the pipe after bevelling to ensure there is no plastic waste from the bevelling process present. If using a drill when bevelling the pipe, ensure the max revolutions are less than 500/min and allow tooling to cool between each procedure.