

 **GEBERIT**

Geberit Pressfitting Systems Mapress Gas

October 2007



Geberit Mapress Gas

Mapress Gas: a proven, innovative piping system for installing fuel gas supply lines. Mapress has been the market leader in pressfitting systems from 1969, and has grown into the largest and most flexible range available today.

Efficient

By using pipes and fittings with controlled tolerances that fit together with no need for hazardous solders, fluxes or solvents- minimising the risk of fire- Mapress greatly simplifies gas system installations. The only tools needed are cutter, deburrer and press-tool. Just cut, deburr, press and the joint is complete.

Mapress Gas, with both Copper and Stainless Steel BS316 systems, is supplied ready-to-fit with pre-installed yellow HNBR seal rings for gas systems for immediate installation. Both systems have been approved by the Advantica testing house as meeting the requirements for the installation of metallic tube and fittings according to the Gas Safety Regulations 1998.

As well as gas supplies, Mapress can be used for a wide range of applications from heating and drinking water to compressed air, sprinkler and many industrial uses. With four pipe and fitting materials and five O-ring types, the greatest advantage of the Mapress system is its versatility.

Quality in every detail

For added reliability and security in use, the seal ring housing of Mapress fittings have been computer modelled to ensure its deformation during pressing compresses the seal ring to create the largest seal-to-metal contact area possible.



Benefits

The pressfit system offers considerable advantages over traditional soldering, brazing and threading:

- The fast installation method allows 50% quicker installation times- reducing labour times and costs
- No open flames, no hot work permits or waiting for joints to cool before commissioning the system
- Permanent connection- due to the deformation of the pipe and fitting, Mapress connections cannot be undone or tampered with
- Precision tolerance between pipes, fittings and tooling ensures that every joint is made correctly and identically- eliminating poor workmanship
- Mapress joints outperform solder joints in exceptional high temperature circumstances as there is no solder to melt
- Yellow colour coding on Gas fittings for clear identification of gas piping
- Wide range of adaptor fittings ensures compatibility with existing pipework.

All Applications

Mapress Gas systems with the special HNBR seal ring are perfectly suited for all fuel gas applications including: Natural, Liquefied, Methane, Ethane, Propane, Butane and Biogases etc. Other industrial uses upon approval by Geberit.

Range

A wide range of Copper and Stainless Steel pipes and fittings available in the following sizes (mm):

- Stainless Steel BS316 fittings and pipe: 15-108
- Copper fittings only (pipe must conform to EN1057): 15-54

Performance

Mapress Gas with yellow HNBR seal ring allows operating pressures of:

- 5 bar when used with Stainless Steel (indoors and outdoors)
- 5 bar with Copper (outdoors); 1 bar with Copper (indoors)

Stainless Steel Gas pipes and fittings, and Copper Gas fittings have working temperatures from -20°C to $+70^{\circ}\text{C}$.

Geberit Pressing Tools

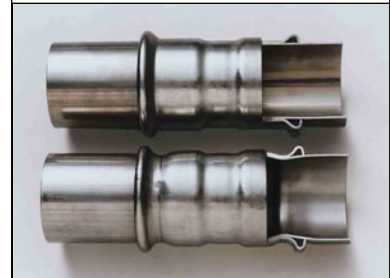
- Wide range of 12v/14.4v battery operated and 110v/240v mains tools
- Only one tool needed for all Mapress materials
- Pressing jaws, collars and adaptors for all system diameters
- Electronic systems within tools and jaws guarantee that the correct pressing force is applied to each and every joint, ensuring system reliability

Geberit Training

Geberit are pleased to offer free introduction and training sessions to users of the Mapress system and any other of the Geberit ranges at its UK headquarters in Aylesford, Kent or training can be arranged at the customer's premises. Certification is also available to installers after product training has been completed. For more information about the training schemes, please contact Geberit direct.

Approvals

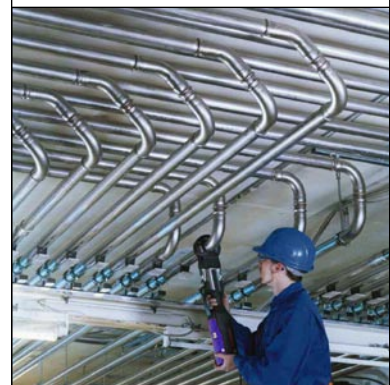
Advantica Test Centre for UK mains gas use
DVGW (German), OGWW (Austrian), DGP (Denmark), SVGW (Sweden)



Mapress Stainless Steel fitting in unpressed and pressed states



Copper Gas Mapress couplings



Mapress Stainless Steel and Mapress pressing tools in use



Advantica Gas Certification



Other products available from Geberit

Geberit HDPE Drainage systems

- Above and below ground soil, waste and roof drainage systems
- HDPE suitable for chemical waste
- Suitable for both industrial and commercial applications
- Ideal for on/off site fabrication
- Offers fast reliable jointing and enhanced durability
- Geberit Slent-dB20 Acoustic drainage system

Geberit installation systems for wall-hung sanitaryware, infra-red flushing controls and taps.

Concealed flushing systems for WC's and urinals

- Easy to install
- Hygienic
- Offers excellent water saving technology
- Maintenance friendly with easy access

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