

Certified: Elster Perfection's Permasert® mechanical couplings!

Elster Perfection is pleased to let you know that its Permasert range of PE100 couplings has been officially approved this month by DVGW for use in polyethylene gas distribution systems operating up to 10 bar.



Not only does this new certification confirm the former DVGW certification of 2002 but it validates Permasert as the first mechanical coupling approved for PE100 piping systems up to 10 bar. More broadly, this certification also demonstrates Permasert's compliance with the European Standard EN 1555-3. DVGW approved the use of Permasert on PE pipes of diameters 32 mm, 40 mm, 50 mm and 63 mm.

Elster Perfection celebrates this important first step towards its offering a complete mechanically joined service line. This will be accomplished when its Permalock mechanical tapping tees (PMTT) are also certified by DVGW. We are pleased to announce that the PMTT testing has been more than 50% successfully completed.

Numbers & facts

Since 1977, more than 40 million Elster Perfection mechanical connections have been installed in America. About 80% of the utilities in the United States use mechanical joining systems for residential gas distribution.

The use of mechanical joining systems is growing, overtaking other joining techniques. Currently, in North America, service lines connections are:

- 60% mechanical
- 20% butt fusion
- 15% electrofusion

Advantages of Elster Perfection's products:

- Reduced training cost
- Fast and easy installation without special tools
- Installation possible under all weather conditions
- Almost no preparation of the tubing required



Perfection's success worldwide

Permasert mechanical couplings can be installed in almost all climatic conditions in a wide variety of soil. Elster Perfection's products have been successfully installed in Australia, Asia, Europe, North America and South America. Outside of North America, the highest number of Elster Perfection products can be found in France. Over 350,000 Permaserts have been installed by Gaz de France originally for repairs only.



Currently, Ø 20 mm to 32 mm Permasert mechanical couplings are in use in all parts of France, especially on extensions of the distribution network. More than 150,000 Permasert products have been used in the field for a decade in Great Britain.

Thus, Permasert mechanical couplings are not only safe to use but also enable quicker handling and, above all, are less expensive than other systems.

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