

ELGEF Plus Electrofusion Couplers

Designed for BIG ideas



The reinvention of electrofusion couplers for quick and reliable connections

Constructing large dimension pipelines is challenging and requires specific designs of the pipeline components. The GF Piping Systems electrofusion couplers for water and gas applications are therefore made for a quick and reliable connection of your pipes and spigot fittings. Even under difficult site conditions the electrofusion couplers of GF Piping Systems convince with a long lasting and safe connection thanks to the active reinforcement.

Proven technologies

The electrofusion coupler product range of d355-d1200 mm consists of two production technologies: Couplers with flex groove design (d900-d1200 mm) granting a good jointing thanks to the special geometry and wall thickness. Dimensions from d355 to d800 mm are provided with the proven technology of active reinforcement (pipe-in-pipe).

A unique operating principle

Active reinforcement is a unique operating principle. The functioning has its origin from the manufacturing

technology where the outer pipe section is pressed over the inner pipe section.

During the fusion process, the active reinforcement fully effects: The heat in the fusion zone reduces the stiffness of the inner ring and the reinforcement ring pushes actively from the outside to the inner ring. Thus, larger gaps can be closed more quickly and the expansion of the coupler is inhibited. During the cooling process the constant pressure from the outside makes the coupler shrink onto the pipe. This patented principle ensures a perfect welding result.



+ Your benefits

- The extra-large inner diameter of the coupler permits easy assembly and accommodates the pipe ovality often found in practice
- The smooth fusion zone (covered heating wires) guarantees an ideal fusion result
- Reduced installation time without pre-heating or use of additional equipment
- One path-limited fusion indicator each per fusion zone for immediate check
- Exclusive use of PE material – safe connection also at very low temperatures
- No special welding machine required, all current GF welding machines are suitable
- QR-code on each label links you directly to a dedicated web page enabling the online access of instruction videos and technical documentation

The performance of the jointing depends on the quality of the pipe, coupler, tooling and the experience of the installer. Ask your GF Piping Systems contact person for proper rounding clamps, rotary peeling tools, fusion machines or installation training and support on your construction site.

Scan the QR-Code below to get access to the latest documents on our website.



Your contact

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