Product data sheet

GPS Frialen electrofusion fittings

20mm – 1200mm diameter

For pressurised gas and water supply

Range / size

Product range	Material	SDR	Size (mm)
• Couplers • Reducers • Under clamp spigot saddles • Top loading spigot saddles • Equal tees • Reduced branch tees • 90° degree elbows • 45° degree elbows • End caps • Full faced flanges • Full faced branch saddles • Top loading tapping tees • Under clamp tapping tees • Flanged branch tees • Duck foot bends • Repair saddles • Transition fittings	PE100 Black	11	20 - 630mm
		17	560 - 1200mm

Pressure ratings

BS EN 12201-3		GIS/PL2 Part4		BS EN 1555-3	
SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17
Maximum continuous operating pressure 16 bar	Maximum continuous operating pressure 10 bar	Maximum continuous operating pressure 7 bar	Maximum continuous operating pressure 4 bar	Maximum continuous operating pressure 10 bar	Maximum continuous operating pressure 5 bar

(Please check product range for the specific specifications met - differences between each range).

Colours

Material	Colour
Only the highest quality PE100 grades available are used in the manufacture of Frialen fittings. WRAS approved (1603333).	**Black**

Standards / approvals

BS EN 12201-3	**BS EN 1555-3**
GIS/PL2 - 4 (BSI Kitemark Certificate KM 512487)	**ISO 8085-3**

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Weights

All weights are published in Application Guide for Gas and the Application Guide for Water.

Dimensions

All dimensions are in accordance with BS EN 12201-3, GIS/PL2, BS EN 1555-3 and ISO 8085.

Fitting marking

Product will be marked on one side with characters at least 3mm high in a contrasting colour ≤75mm dia.
Product will be marked on one side with characters at least 5mm high in a contrasting colour ≥90mm dia.

Identification marking

Where applicable, most fittings incorporate the following information on the outer surface, either moulded into the product or on the barcode label:

- FRIALEN Name
- Material Designation - PE100
- Standard Dimensional Ratio (SDR) of Fitting
- SDR Fusion Range (maximum/minimum)
- Nominal Size (mm)
- Fusion Time (seconds)
- Cooling Time (minutes)

Electrofusion fittings product labels also incorporate traceability barcodes to trace the relevant production records. These codes can be read by any ECU with a traceability option.

- Name of the fitting manufacturer
- Type of fitting
- Size of the fitting
- Production batch number
- Manufacturing location
- Product SDR rating
- Product raw material
- Material's status, MRS and melt flow index

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