

PRODUCT DATA SHEET



Electrofusion fittings for pressurised gas and water supply (20 – 1200mm)

RANGE / SIZE


Product range		Material	SDR	Size (mm)
<ul style="list-style-type: none"> ■ Couplers ■ Reducers ■ Under clamp spigot saddles ■ Top loading spigot saddles ■ Equal tees ■ Reduced branch tees ■ 90° degree elbows ■ 45° degree elbows ■ Endcaps 	<ul style="list-style-type: none"> ■ 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)

COLOUR

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

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 ≤ 75 mm dia

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