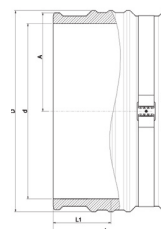


LARGE DIAMETER ELECTROFUSION COUPLER

Plasson Electrofusion fittings are globally recognised as best in class. Plasson large diameter electrofusion couplers are designed specifically to overcome the challenges of large diameter installations: dual weld zones for flexible installation options, a single weld time between -10°C and +45°C, unique geometry for enhanced fusion integrity and embedded coils for protection and even heat transfer. Rated PN16 for water, the range is suitable for gas, water, recycled and waste water, compressed air and other industrial applications.



450mm to 1000mm



450mm to 1000mm

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Large welding and cooling zones for joint integrity
- Dual weld zones for flexible installation options
- Factory tensioned fabric insulation and reinforcement straps shorten fusion time and prevent expansion
- Unique geometry for enhanced fusion integrity
- Suitable for gas, water, recycled and waste water, compressed air and other industrial applications

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4901022	450	306	153	539	257	1	16000	16	11	7.4-21
4901023	500	340	170	603	283	1	20200	16	11	7.4-21
4901024	560	376	188	674	317	1	28000	16	11	11-33
4901025	630	418	209	759	356	1	41100	16	11	7.4-33
4901026	710	472	236	853	400	1	62000	16	11	7.4-26
4901027	800	500	250	955	450	1	87000	16	11	7.4-21
4901034	900	500	250	1070	503	1	100100	16	11	11-21
4901035	1000	570	285	1194	563	1	100000	16	11	11-21

Dimensions in mm. W = weight in grams. Carton = units per pack. PN Water = pressure rating on water. SDR Gas = SDR rating of the fitting. Pipe SDR Suitability = SDR range of pipe the coupler can be welded to.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Embedded in the fitting body for protection and even heat transfer
- **Straps:** Factory tensioned fabric insulation and reinforcement straps

INSTALLATION

Plasson Australia no longer publish generic how to perform electrofusion instructions. Plasson Australia recommend installation as per POP001 – Electrofusion Jointing of PE Pipe and Fittings for Pressure Applications as published by Plastics Industry Pipe Association of Australia (PIPA). This is free to download from <https://pipa.com.au>

These fittings do not have centre stops and can be used as a slip coupler.

OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.

Link: <https://pipa.com.au/technical/pop-guidelines/>

WELDING

- Couplers 450mm and larger have dual weld zones; each zone is welded separately.
- Single weld time between -10°C and +45°C.
- ISO 13950 compliant barcode system.

CHEMICAL RESISTANCE

Plasson electrofusion fittings are made from high quality PE100-RC (crack resistant) resins. For chemical purposes they are considered as being made from HDPE, high density polyethylene.

QUALITY CERTIFICATES

Plasson fittings are tested and approved according to AS/NZS 4129:2020. Fittings to size 630mm are included in schedules for WaterMark, ISO Type 5 Certificate of Conformity and have been WSAA appraised.

Electrofusion fittings are batch controlled. Record the batch number on the fitting label and contact Plasson Australia for a copy of the EN 10204 3.1 Inspection Certificate.