

LARGE DIAMETER LIGHTFIT COUPLER

4601

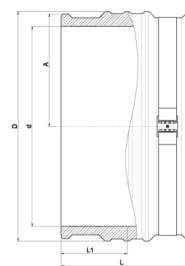
Plasson Electrofusion fittings are globally recognised as best in class. Plasson large diameter LightFit couplers are designed specifically for smart large diameter electrofusion: dual weld zones (bifilar) for flexible installation options, a single weld time between -10°C and +45°C, large fusion zones and factory tensioned fabric pressure restraint straps for long term joint integrity. Rated PN10 for water, the range is suitable for gas, water, recycled and waste water, sewer, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Large welding and cooling zones for joint integrity
- Bifilar design: two separate heating circuits (dual weld zones) for flexible installation options
- Factory tensioned fabric insulation and reinforcement straps accelerate fusion pressure build up and prevent expansion
- No centre pipe stops for easy slip and repair use
- Coated heating wires for protection and rapid gap filling
- Suitable for gas, water, recycled and waste water, sewer, compressed air and other industrial applications



450mm to 1200mm



450mm to 1200mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4601018	450	310	155	518	255	1	11700	10	17	11-41
4601019	500	340	170	576	283	1	16000	10	17	11-33
4601020	560	376	188	625	309	1	21510	10	17	11-41
4601021	630	400	200	706	347	1	27000	10	17	11-33
4601022	710	440	220	797	390	1	43100	10	17	11-33
4601023	800	470	235	897	440	1	57300	10	17	11-41
4601024	900	500	250	1010	500	1	68400	10	17	11-41
4601026	1000	540	270	1128	555	1	99260	10	17	11-33
4601025	1200	600	300	1355	667	1	150000	10	17	11-33

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 (bifilar); 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.