PLASSON AUSTRALIA

MALE TRANSITION COUPLER SS 316

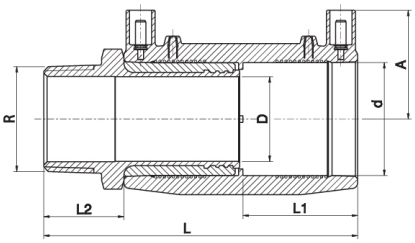
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Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion stainless steel male transition couplers provide a fully welded transition from PE pipe to a male BSP thread, for connection to valves, meters, pumps and other threaded equipment. The thread is a solid stainless steel 316 male BSP thread moulded into the coupler body, for use where brass is not suitable or a higher level of corrosion resistance is required. Rated PN16 for water, the range is suitable for gas, water, recycled water, sewer, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Stainless steel 316 male BSP thread for corrosive and aggressive environments
- Seamless transition from PE pipe to threaded valves and equipment
- Coated coils protect the electrical design and offer superior gap filling properties
- Large welding and cooling zones for joint integrity
- SmartFuse automatic weld time recognition eliminates manual input errors





Product Code	Size d x R	A	D	L2	L	L1	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4951015	32 x 1 1/4"	42	23	36	124	42	60	393	16	11	7.4-11
4951002	32 x 1 1/2"	41	23	36	126	44	64	450	16	11	7.4-11
4951003	40 x 1 1/4"	45	29	36	134	48	54	460	16	11	7.4-11
4951004	40 x 1 1/2"	45	29	36	134	48	54	460	16	11	7.4-11
4951005	50 x 1 1/2"	50	38	36	137	49	24	540	16	11	7.4-11
4951014	50 x 2"	59	38	41	160	49	30	752	16	11	7.4-11
4951006	63 x 1 1/2"	57	48	36	154	57	32	800	16	11	7.4-11
4951007	63 x 2"	57	48	41	159	57	30	890	16	11	7.4-17.6

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

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body
- **Threaded insert:** Stainless steel 316

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

OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.
Link: https://pipa.com.au/technical/pop-guidelines/

WELDING

- Integrated resistors for automatic weld time recognition (SmartFuse) when used with a Plasson electrofusion machine.
- Single weld time between -10°C and +45°C.
- ISO 13950 compliant barcode system.
- The stainless steel thread section can still rotate after welding is complete.

THREADS

- Male threads are tapered (BSPT), referred to as R.
- Threads to AS ISO 7.1
- Plasson recommend the use of PTFE tape in BSP threaded connections.

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. These fittings 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.