PLASSON AUSTRALIA

FEMALE TRANSITION 45° ELBOW

4936

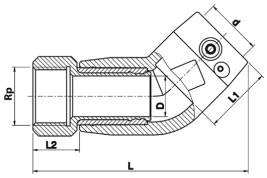
Plasson Electrofusion fittings are globally recognised as best in class. The Plasson SmartFuse electrofusion female transition 45° elbow joins PE pipe to a female BSP thread with a fully welded connection and a 45° change of direction, providing a simple transition from PE to valves, metal pipework and threaded fixtures. Integrated resistors enable automatic weld time recognition when used with a Plasson electrofusion machine, with a single weld time between -10°C and +45°C. Available in 32 to 63mm with female threads from 1" to 2", the range is rated PN16 for water and is suitable for gas, water, recycled water, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Solid lead-free DZR brass BSP female thread
- Designed for seamless transition between PE pipe and other pipe materials, valves and fittings
- Reduces installation time and labour costs on both new and existing pipelines
- 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



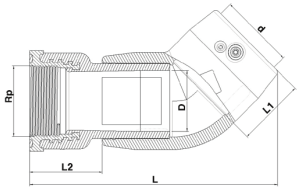
Type A



Type A



Type B



Type B

Product Code	Size d x Rp	Type	L	L1	L2	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4936201	32 x 1"	B	141	44	40	27	42	72	342	16	11	7.4-11
4936202	40 x 1"	A	133	44	25	29	47	48	510	16	11	7.4-17.6
4936203	40 x 1 1/4"	A	133	44	25	29	47	48	419	16	11	7.4-17.6
4936204	40 x 1 1/2"	A	133	44	25	29	47	48	479	16	11	7.4-17.6
4936205	50 x 1 1/2"	A	150	49	25	38	51	48	532	16	11	7.4-17.6
4936206	50 x 2"	A	155	49	30	38	51	36	702	16	11	7.4-17.6
4936207	63 x 1 1/2"	A	178	57	30	48	59	24	1019	16	11	7.4-17.6
4936208	63 x 2"	B	208	58	62	49	57	24	912	16	11	7.4-17.6

Dimensions in mm. W = weight in grams. Carton = units per pack. Type = body style as shown above. 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:** Lead-free DZR (dezincification resistant) brass

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/

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.

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 brass thread section can still rotate after welding is complete.

THREADS

- Female threads are parallel (BSPP), referred to as Rp.
- Threads to AS ISO 7.1
- Plasson recommend the use of PTFE tape in BSP threaded connections.

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.