PLASSON AUSTRALIA

FEMALE TRANSITION 90° ELBOW

4935

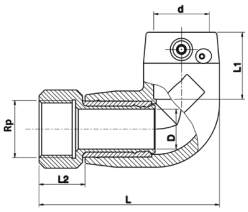
Plasson Electrofusion fittings are globally recognised as best in class. The Plasson SmartFuse electrofusion female transition 90° elbow joins PE pipe to a female BSP thread with a fully welded connection and a 90° change of direction, providing a simple transition from PE to valves, metal pipework and 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 20 to 63mm with female threads from 1/2" 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



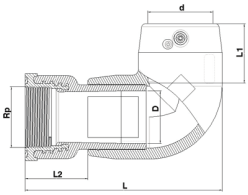
Type A



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
4935201	20 x 1/2"	A	86	35	20	14	38	160	142	16	11	7.4-11
4935202	25 x 3/4"	A	89	37	23	19	38	120	160	16	11	7.4-11
4935203	32 x 1"	B	123	39	42	27	42	96	280	16	11	7.4-11
4935204	40 x 1"	A	117	44	25	29	47	48	535	16	11	7.4-17.6
4935205	40 x 1 1/4"	A	117	44	25	29	47	48	432	16	11	7.4-17.6
4935206	40 x 1 1/2"	A	117	44	25	29	47	48	453	16	11	7.4-17.6
4935207	50 x 1 1/2"	A	133	48	25	38	52	48	560	16	11	7.4-17.6
4935208	50 x 2"	A	138	48	30	38	52	40	744	16	11	7.4-17.6
4935209	63 x 1 1/2"	A	161	57	30	48	59	24	1072	16	11	7.4-17.6
4935210	63 x 2"	B	193	58	62	49	57	24	959	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.