PLASSON AUSTRALIA

ELECTROFUSION MALE TRANSITION 90° ELBOW 4925

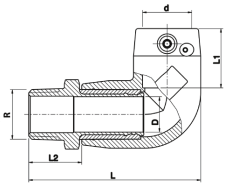
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion male transition 90° elbows provide a fully welded transition from PE pipe to a male BSP thread with a 90° change of direction, for connection to valves, meters, pumps and other threaded equipment. The thread is a solid lead-free DZR brass male BSP thread moulded into the elbow body. Rated PN16 for water, the range is suitable for gas, water, recycled water, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Lead-free DZR brass male BSP thread
- Seamless transition from PE pipe to threaded valves and equipment
- 90° change of direction and thread transition in one fitting
- 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



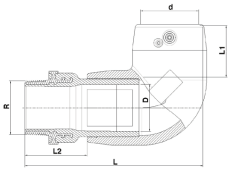
Type A



Type A



Type B



Type B

Product Code	Size d x R	Type	L	L1	L2	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4925201	20 x 1/2"	A	95	35	29	14	38	150	153	16	11	7.4-11
4925202	25 x 3/4"	A	95	37	29	19	38	120	168	16	11	7.4-11
4925203	32 x 1/2"	A	112	40	29	23	43	84	294	16	11	7.4-11
4925204	32 x 3/4"	A	112	40	29	23	43	84	262	16	11	7.4-11
4925205	32 x 1"	B	134	44	49	22	47	84	253	16	11	7.4-11
4925206	32 x 1 1/4"	A	119	40	36	23	43	60	419	16	11	7.4-11
4925207	32 x 1 1/2"	A	119	40	36	23	43	60	436	16	11	7.4-11
4925208	40 x 1"	B	142	44	49	22	47	48	458	16	11	7.4-17.6
4925209	40 x 1 1/4"	B	153	44	59	30	47	56	391	16	11	7.4-17.6
4925210	40 x 1 1/2"	A	128	44	36	29	47	48	510	16	11	7.4-17.6
4925211	40 x 2"	A	133	44	41	29	47	48	725	16	11	7.4-17.6
4925212	50 x 1"	A	142	48	34	38	52	42	624	16	11	7.4-17.6
4925213	50 x 1 1/4"	A	144	48	36	38	52	36	679	16	11	7.4-17.6
4925214	50 x 1 1/2"	B	174	49	63	35	52	36	655	16	11	7.4-17.6
4925215	50 x 2"	A	149	48	41	38	52	30	806	16	11	7.4-17.6
4925216	63 x 1 1/4"	A	167	57	36	48	59	24	985	16	11	7.4-17.6
4925217	63 x 1 1/2"	A	167	57	36	48	59	24	1040	16	11	7.4-17.6
4925218	63 x 2"	B	200	58	68	47	57	20	871	16	11	7.4-17.6

Dimensions in mm. W = weight in grams. Carton = units per pack. R = male BSP thread size. Type = body style as shown in the drawings 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/

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

- 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.