PLASSON AUSTRALIA

ELECTROFUSION MALE TRANSITION 45° ELBOW 4926

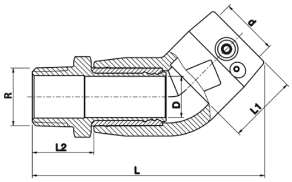
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion male transition 45° elbows provide a fully welded transition from PE pipe to a male BSP thread with a 45° change of direction, for connection to valves, meters, pumps and other threaded equipment where a straight transition will not fit. 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
- Transition and 45° change of direction in a single 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



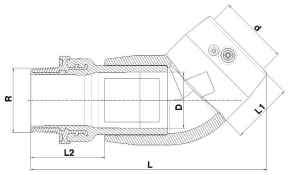
Type A



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
4926201	32 x 1/2"	A	124	39	29	23	43	84	249	16	11	7.4-11
4926202	32 x 3/4"	A	123	39	29	23	43	84	250	16	11	7.4-11
4926203	32 x 1"	B	151	44	50	22	42	80	242	16	11	7.4-11
4926204	32 x 1 1/4"	A	130	39	36	23	43	48	479	16	11	7.4-11
4926205	32 x 1 1/2"	A	130	39	36	23	43	48	488	16	11	7.4-11
4926206	40 x 1"	B	158	48	45	22	47	80	291	16	11	7.4-17.6
4926207	40 x 1 1/4"	B	168	48	55	30	47	64	364	16	11	7.4-17.6
4926208	40 x 1 1/2"	A	144	44	36	29	47	48	510	16	11	7.4-17.6
4926209	40 x 2"	A	149	44	41	29	47	40	685	16	11	7.4-17.6
4926210	50 x 1"	A	161	49	34	38	51	48	564	16	11	7.4-17.6
4926211	50 x 1 1/4"	A	161	49	36	38	51	48	610	16	11	7.4-17.6
4926212	50 x 1 1/2"	B	185	49	63	35	52	28	530	16	11	7.4-17.6
4926213	50 x 2"	A	165	49	41	38	51	30	778	16	11	7.4-17.6
4926214	63 x 1 1/4"	A	184	57	36	48	59	24	927	16	11	7.4-17.6
4926215	63 x 1 1/2"	A	184	57	36	48	59	24	893	16	11	7.4-17.6
4926216	63 x 2"	B	215	58	68	47	57	24	820	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.