PLASSON AUSTRALIA

ELECTROFUSION MALE TRANSITION COUPLER 4921

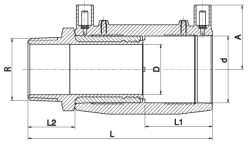
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion male transition couplers provide a fully welded transition from PE pipe to a male BSP thread, for connection to valves, meters, pumps and other threaded equipment. The thread is a solid lead-free DZR brass male BSP thread moulded into the coupler 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
- 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



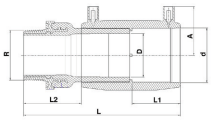
Type A



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
4921221	20 x 1/2"	A	105	37	29	14	34	200	129	16	11	7.4-11
4921266	20 x 3/4"	A	100	35	29	19	39	150	158	16	11	7.4-11
4921222	25 x 3/4"	A	111	40	29	19	37	150	150	16	11	7.4-11
4921264	25 x 1"	B	131	35	50	22	43	100	265	16	11	7.4-11
4921223	32 x 1/2"	A	110	39	29	23	42	100	142	16	11	7.4-11
4921224	32 x 3/4"	A	110	39	29	23	42	100	263	16	11	7.4-11
4921225	32 x 1"	B	140	44	50	22	43	100	285	16	11	7.4-11
4921226	32 x 1 1/4"	A	124	42	36	23	42	60	393	16	11	7.4-11
4921227	32 x 1 1/2"	A	124	42	36	23	42	60	404	16	11	7.4-11
4921228	40 x 1"	B	143	48	45	22	46	72	409	16	11	7.4-11
4921229	40 x 1 1/4"	B	153	48	55	30	46	54	470	16	11	7.4-11
4921230	40 x 1 1/2"	A	133	47	36	29	46	54	483	16	11	7.4-11
4921231	40 x 2"	A	160	44	41	29	59	36	500	16	11	7.4-11
4921232	50 x 1"	A	135	49	34	38	51	48	513	16	11	7.4-11
4921233	50 x 1 1/4"	A	137	49	36	38	51	48	569	16	11	7.4-11
4921234	50 x 1 1/2"	B	164	49	63	35	51	48	547	16	11	7.4-11
4921235	50 x 2"	A	160	49	41	38	59	30	752	16	11	7.4-11
4921236	63 x 1 1/4"	A	153	57	36	48	57	30	884	16	11	7.4-11
4921237	63 x 1 1/2"	A	153	57	36	48	57	30	845	16	11	7.4-11
4921238	63 x 2"	B	186	57	69	47	58	30	921	16	11	7.4-17
4921265	63 x 2 1/2"	A	172	57	46	59	66	16	1008	16	11	7.4-17
4921239	75 x 2"	A	167	61	41	59	64	16	1305	16	11	7.4-17
4921240	75 x 2 1/2"	A	172	61	46	59	64	16	1512	16	11	7.4-17
4921262	90 x 2"	B	212	71	69	47	78	8	1167	16	11	7.4-17
4921261	90 x 2 1/2"	A	189	71	46	59	78	8	1174	16	11	7.4-17

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.