

ELECTROFUSION 90° REDUCING TEE

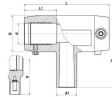
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion reducing tees provide a reduced 90° branch from a PE main, with integrated resistors that enable automatic weld time recognition when used with a Plasson electrofusion machine, and a single weld time between -10°C and +45°C. The coated coil system is widely regarded as the easiest to use in the trench. 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
- Full bore SDR11 spigot outlets for better flow
- 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
- Suitable for gas, water, recycled water, compressed air and other industrial applications



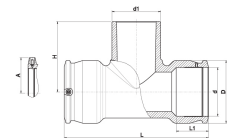
25mm to 75mm



25mm to 75mm



90mm to 250mm



90mm to 250mm

Product Code	Size d x d1 x d	L	L1	D	H	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4914001	25 x 20 x 25	104	39	44	66	43	168	108	16	11	7.4-11
4914002*	25 x 32 x 25*	104	39	44	74	43	168	116	16	11	7.4-11
4914003	32 x 20 x 32	104	39	44	66	43	144	89	16	11	7.4-11
4914004	32 x 25 x 32	104	39	44	66	43	144	91	16	11	7.4-11
4914005	40 x 20 x 40	120	43	56	72	47	96	151	16	11	7.4-17
4914006	40 x 25 x 40	120	43	56	72	47	96	150	16	11	7.4-17
4914007	40 x 32 x 40	120	43	56	75	47	96	152	16	11	7.4-17
4914008	50 x 20 x 50	139	48	68	78	52	64	224	16	11	7.4-17
4914009	50 x 25 x 50	139	48	68	78	52	64	225	16	11	7.4-17
4914010	50 x 32 x 50	139	48	68	86	52	64	228	16	11	7.4-17
4914011	50 x 40 x 50	139	48	68	90	52	64	237	16	11	7.4-17
4914012	63 x 20 x 63	167	49	82	85	58	40	348	16	11	7.4-17
4914013	63 x 32 x 63	167	58	82	93	58	32	353	16	11	7.4-17
4914014	63 x 40 x 63	167	58	82	104	58	32	365	16	11	7.4-17
4914015	63 x 50 x 63	167	58	82	109	58	32	381	16	11	7.4-17
4914016	75 x 63 x 75	196	63	96	122	62	26	607	16	11	7.4-17
4914017	90 x 63 x 90	294	68	113	124	71	15	1050	16	11	7.4-17
4914037	90 x 75 x 90	293	71	112	137	71	15	1045	16	11	7.4-17
4914018	110 x 63 x 110	326	71	143	134	81	9	1715	16	11	7.4-17
4914036	110 x 75 x 110	328	72	143	142	81	9	2162	16	11	7.4-17
4914019	110 x 90 x 110	326	71	143	147	81	8	1815	16	11	7.4-17
4914020	125 x 90 x 125	382	86	165	161	88	5	2805	16	11	7.4-17
4914021	125 x 110 x 125	382	86	165	173	88	5	2859	16	11	7.4-17
4914022	160 x 90 x 160	396	97	209	192	105	3	4185	16	11	7.4-17
4914023	160 x 110 x 160	440	86	208	193	106	3	4470	16	11	7.4-17
4914024	160 x 125 x 160	396	97	209	214	105	3	4470	16	11	7.4-17
4914025	180 x 90 x 180	422	106	245	200	116	2	6090	16	11	7.4-17
4914026	180 x 110 x 180	422	106	245	219	116	2	6270	16	11	7.4-17
4914027	180 x 125 x 180	422	106	245	225	116	2	6410	16	11	7.4-17
4914028	180 x 140 x 180	422	106	245	237	116	1	6610	16	11	7.4-17
4914029	180 x 160 x 180	422	106	245	250	116	1	6950	16	11	7.4-17
4914030	200 x 90 x 200	451	114	261	205	125	2	7140	16	11	7.4-17
4914031	200 x 110 x 200	451	114	261	210	125	2	7235	16	11	7.4-17
4914032	225 x 90 x 225	494	122	293	220	140	1	9900	16	11	7.4-17
4914033	225 x 110 x 225	494	122	293	225	140	1	10000	16	11	7.4-17
4914034	250 x 90 x 250	538	129	326	235	152	1	13350	16	11	7.4-17
4914035	250 x 110 x 250	538	129	326	240	152	1	13400	16	11	7.4-17

Dimensions in mm. W = weight in grams. Carton = units per pack. PN Water = pressure rating on water. SDR Gas = SDR rating of the fitting. Pipe SDR Suitability = SDR range of pipe the tee can be welded to.

*Enlarging tee.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body

INSTALLATION

Plasson Australia no longer publish generic how to perform electrofusion instructions. Plasson Australia recommend installation as per POP001 – Electrofusion Joining 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.

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 WSA 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.