

ELECTROFUSION REDUCING COUPLER

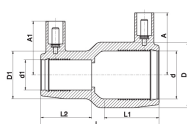
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion reducing couplers join two different sizes of PE pipe in a single fitting, with integrated resistors that enable automatic weld time recognition when used with a Plasson electrofusion machine, and a single weld time between -10°C and +45°C. 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
- 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



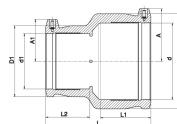
20 x 16mm to 110 x 90mm



20 x 16mm to 110 x 90mm



125 x 90mm to 180 x 125mm



125 x 90mm to 180 x 125mm

Product Code	Size d x d1	L	A	A1	L1	L2	D	D1	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4911001	20 x 16	71	39	39	35	35	36	36	480	54	16	11	7.4-11
4911058	25 x 16	71	39	39	35	35	36	36	480	49	16	11	7.4-11
4911002	25 x 20	71	39	39	35	35	36	36	480	46	16	11	7.4-11
4911059	32 x 16	81	42	34	39	35	44	32	360	58	16	11	7.4-11
4911004	32 x 20	81	43	37	40	35	45	32	360	59	16	11	7.4-11
4911005	32 x 25	81	43	39	40	35	45	36	360	56	16	11	7.4-11
4911060	40 x 20	90	44	38	44	40	56	36	360	58	16	11	7.4-11
4911006	40 x 25	90	47	38	44	40	56	37	200	86	16	11	7.4-11
4911007	40 x 32	90	47	43	44	40	56	44	160	92	16	11	7.4-11
4911008	50 x 25	100	52	41	49	41	68	37	160	118	16	11	7.4-11
4911009	50 x 32	100	52	45	49	40	68	45	128	123	16	11	11-17
4911010	50 x 40	100	52	48	49	44	68	56	128	135	16	11	7.4-17
4911012	63 x 32	119	59	45	57	40	82	45	96	180	16	11	7.4-17
4911013	63 x 40	119	59	49	57	44	82	56	96	192	16	11	7.4-17
4911014	63 x 50	119	59	54	57	49	82	68	80	224	16	11	7.4-17
4911016	75 x 63	126	66	59	66	57	98	82	65	314	16	11	7.4-17
4911017	90 x 50	143	78	53	71	49	116	69	54	430	16	11	7.4-13.6
4911018	90 x 63	143	78	61	71	57	116	82	44	460	16	11	7.4-13.6
4911019	90 x 75	143	78	67	71	61	116	98	41	480	16	11	7.4-17
4911020	110 x 63	161	84	61	78	57	139	82	32	639	16	11	7.4-17
4911021	110 x 90	161	84	74	78	72	139	116	23	740	16	11	7.4-17
4911022	125 x 90	171	88	70	85	72	158	116	18	1019	16	11	7.4-17
4911023	125 x 110	171	88	80	85	78	158	141	18	1025	16	11	7.4-17
4911024	160 x 90	193	105	69	94	72	199	116	12	1440	16	11	7.4-17
4911025	160 x 110	193	105	80	94	81	199	141	12	1520	16	11	7.4-17
4911026	160 x 125	195	105	89	94	85	199	158	6	1570	16	11	7.4-17
4911027	180 x 125	212	116	87	103	85	222	158	6	2060	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 coupler can be welded to.

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 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.

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.