

ELECTROFUSION COUPLER

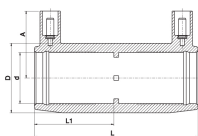
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion couplers have integrated resistors that enable automatic weld time recognition when used with a Plasson electrofusion machine, and a single weld time between -10°C and +45°C. The coated coil system 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
- 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
- Removable centre pipe stops allow slip installation
- Suitable for gas, water, recycled water, compressed air and other industrial applications



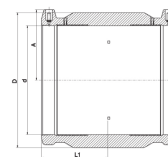
16mm to 75mm



16mm to 75mm



90mm to 400mm



90mm to 400mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4901001	16	71	34	35	39	480	58	16	11	7.4-11
4901002	20	76	37	31	34	440	50	16	11	7.4-11
4901003	25	82	40	36	37	360	40	16	11	7.4-11
4901004	32	88	42	44	42	256	64	16	11	7.4-11
4901005	40	97	47	56	46	200	97	16	11	7.4-17
4901006	50	101	49	67	51	132	161	16	11	7.4-17
4901007	63	118	58	82	56	72	230	16	11	7.4-17
4901008	75	127	62	98	62	60	340	16	11	7.4-17
4901009	90	148	73	112	71	38	475	16	11	7.4-17
4901010	110	163	80	135	81	23	718	16	11	7.4-17
4901011	125	173	85	157	87	18	1075	16	11	7.4-17
4901012	140	183	90	174	97	12	1295	16	11	7.4-17
4901013	160	195	93	194	105	6	1555	16	11	7.4-21
4901014	180	212	105	218	116	5	2112	16	11	7.4-17
4901015	200	223	109	242	126	4	2785	16	11	7.4-17
4901016	225	240	119	272	138	4	3900	16	11	7.4-17
4901017	250	251	123	301	156	2	4461	16	11	7.4-21
4901018	280	275	134	342	170	1	6440	16	11	7.4-17
4901019	315	282	139	387	184	1	8845	16	11	7.4-26
4901020	355	277	137	431	203	1	10200	16	11	7.4-17
4901021	400	293	145	485	231	1	13800	16	11	7.4-26

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.

Sizes 450mm and larger available in separate data sheet (Large Diameter Couplers).

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>

These couplers have small centre stops which can easily be removed for use as a slip coupler.

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 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.