

ELECTROFUSION END CAP

Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion end caps terminate PE pipe with a fully welded, permanent closure. Integrated resistors enable automatic weld time recognition when used with a Plasson electrofusion machine, with a single weld time between -10°C and +45°C. The standard end cap, 20 to 315mm, is supplied as an electrofusion coupler fitted with a PE plug; the monolithic end cap, 32 to 63mm, is a single-piece moulded cap. 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
- Monolithic design available in 32 to 63mm for a compact one-piece closure
- Suitable for gas, water, recycled water, compressed air and other industrial applications

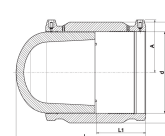
END CAP (COUPLER AND PLUG)



20mm to 75mm



90mm to 315mm



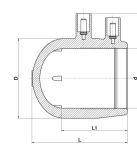
20mm to 315mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4912001	20	84	37	31	34	400	55	16	11	7.4-11
4912002	25	92	40	36	37	400	50	16	11	7.4-11
4912035	32	103	42	44	42	300	76	16	11	7.4-11
4912036	40	114	47	56	46	160	130	16	11	7.4-17
4912037	50	121	49	67	51	120	204	16	11	7.4-17
4912038	63	142	57	82	57	72	327	16	11	7.4-17
4912007	75	156	61	98	64	48	499	16	11	7.4-17
4912008	90	183	73	117	70	30	820	16	11	7.4-17
4912009	110	206	78	140	81	20	1259	16	11	7.4-17
4912010	125	222	85	157	87	15	1702	16	11	7.4-17
4912011	140	237	90	174	97	10	2346	16	11	7.4-17
4912012	160	261	93	194	105	6	2990	16	11	7.4-21
4912013	180	283	105	218	116	5	4159	16	11	7.4-17
4912014	200	289	109	242	126	4	5260	16	11	7.4-17
4912015	225	318	119	272	138	2	7260	16	11	7.4-17
4912016	250	344	123	311	156	2	8380	16	11	7.4-21
4912039	280	396	134	340	170	1	11740	16	11	7.4-17
4912040	315	405	139	387	184	2	16050	16	11	7.4-26

MONOLITHIC END CAP



32mm to 63mm



32mm to 63mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4912003	32	63	44	44	46	432	50	16	11	7.4-11
4912004	40	70	48	55	51	256	75	16	11	7.4-11
4912005	50	82	55	68	56	192	122	16	11	7.4-11
4912006	63	95	62	81	62	96	182	16	11	7.4-11

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 fitting 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>

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.