

ELECTROFUSION 90° ELBOW

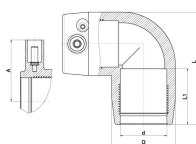
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion 90° elbows provide a change of direction in a PE pipeline, with integrated resistors that enable automatic weld time recognition when used with a Plasson electrofusion machine, and a single weld time 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
- 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



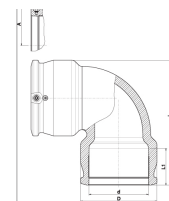
20mm to 75mm



20mm to 75mm



90mm to 250mm



90mm to 250mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4905001	20	66	35	36	38	320	65	16	11	7.4-11
4905002	25	66	37	36	38	320	52	16	11	7.4-11
4905003	32	83	40	44	43	192	85	16	11	7.4-11
4905004	40	92	44	55	47	120	138	16	11	7.4-17
4905005	50	108	48	68	52	72	211	16	11	7.4-17
4905006	63	132	57	82	56	40	320	16	11	7.4-17
4905007	75	158	69	97	62	33	527	16	11	7.4-17
4905008	90	213	78	113	69	19	875	16	11	7.4-17
4905009	110	243	79	143	79	9	1519	16	11	7.4-17
4905010	125	271	100	165	89	7	2424	16	11	7.4-17
4905011	140	309	93	183	94	4	3024	16	11	7.4-17
4905012	160	323	87	209	106	3	3990	16	11	7.4-17
4905013	180	412	105	244	115	2	7590	16	11	7.4-17
4905014	200	449	112	262	124	1	8670	16	11	7.4-17
4905015	225	498	121	295	140	1	12200	16	11	7.4-21
4905016	250	550	130	327	152	1	13500	16	11	7.4-21

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 elbow 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/>

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.