



HDPE PIPING SYSTEMS FOR
**RURAL & IRRIGATION
SOLUTIONS**

ACU-TECH.COM.AU

ACU-RURAL

Green Line Pipe

Suitable for basic rural applications, particularly in agriculture and farming for irrigation or stock watering, our green line poly pipe is a light weight and easy to handle product that can be used at pressures up to 800kPa (PN 8).

These lightweight coils provide a flexible and easy installation solution that is corrosion and weathering resistant.

Acu-Rural Green can be used with a range of rural compression fittings to provide you a complete piping system for your rural application.

Pressure rating of PN8. Rated to withstand a maximum pressure of 800 kilopascals (kPa).

Bright green colour striping, co-extruded outer layer for easy identification.

CODE	SIZE (INCH)	COIL LENGTH (M)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	COIL DIMENSIONS (MM)			WEIGHT (KG)
					OD	ID	WIDTH	
RGS02021200	¾ inch (19)	200	1.4	21.6	950	600	250	16.9
RGS02521200	1 inch (25)	200	1.5	27.9	1180	730	240	23.9
RGS03221150	1 1/4 inch (32)	150	1.9	35	1380	1000	285	28.6
RGS04021150	1 1/2 inch (40)	150	2.2	42	1580	1100	320	31.3
RGS05021100	2 inch (50)	100	3	56.2	1870	1460	330	48.4

Dimensions are nominal only.



ACU-WATER

Blue Line Pipe

Used for potable water, Acu-Tech's range of metric blue line poly pipe is suitable for pressurised systems when installed according to AS 3500.1:2003 'Water Services' and is Watermark certified. With a minimum design life of 50 years, it is manufactured from food grade polyethylene material and does not rust, rot, pit or corrode.

Acu-Water HDPE pipe is extremely tough and flexible, and can be bent to a radius 25 times the nominal pipe diameter (SDR 11 and SDR 17 $\geq 20^{\circ}\text{C}$). This flexibility reduces the need for fittings, and therefore reduces potential leak points. Acu-Water suits metric compression fittings, and can also be welded with electrofusion fittings or butt welding.

25mm to 630mm diameter pipe available in 6 and 12 meter lengths. Lengths up to 21 meters made to order.

Pressure rating of PN 12.5 (1250 kPa) or PN 16 (1600 kPa) at 20°C , including safety factor of 1.25.

Bright blue colour striping, co-extruded outer layer for easy identification.

Manufactured in Australia to AS/NZS 4130 'Polyethylene (PE) pipes for pressure applications' and AS/NZS 4129 'Fittings for polyethylene (PE) pipes for pressure applications'.

ISO9001 Quality Management System Certification.

SIZE	PN 10 / SDR 17	PN 12.5 / SDR 13.6	PN 16 / SDR 11	WEIGHT (KG)
20mm	-	50m & 200m Coils	50m & 200m Coils	0.1 kg/m
25mm	-	50m & 200m Coils	50m & 200m Coils	0.2 kg/m
32mm	-	50m & 200m Coils	50m & 200m Coils	0.3 kg/m
40mm	-	50m & 150m Coils	50m & 200m Coils	0.4 kg/m
50mm	100m Coil	50m & 150m Coils	50m & 100m Coils	0.7 kg/m
63mm	100m Coil	100m Coil	100m Coil	1 kg/m
75mm	100m Coil	100m Coil	100m Coil	1.25 kg/m
90mm	100m Coil	100m Coil	100m Coil	1.5 kg/m
110mm	100m Coil	100m Coil	100m Coil	2.7 kg/m

Dimensions are nominal only.



ACU-RURAL

Red Line Pipe

A sought after product in the agricultural and farming industry, Acu-Rural high-quality pipe is manufactured in Australia to Australian standards. Its high resistance to impact and weathering makes Acu-Rural HDPE pipe ideal for the most demanding applications, as it will remain robust even in harsh environments and guaranteed to last a long lifespan due to its high impact strength and UV resistance.

Acu-Rural poly pipe are supplied in coils in imperial sizes to suit the industry standard requirements and existing pipelines.

These lightweight coils enable fast installation with minimum joints and are compatible with rural compression fittings.

All sizes are rated to 1000 kPa (at 20°C), PN 9 (SDR 17).

Bright red colour striping, co-extruded outer layer for easy identification.

Manufactured in Australia to AS/NZS 4130 'Polyethylene (PE) pipes for pressure applications' and AS/NZS 4129 'Fittings for polyethylene (PE) pipes for pressure applications'.

ISO9001 Quality Management System Certification.

CODE	SIZE (INCH)	COIL LENGTH (M)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	COIL DIMENSIONS (MM)			WEIGHT (KG)
					OD	ID	WIDTH	
RRS02517200	1 inch	200*	1.8	28.9	1590	1280	260	30.4 (ea)
RRS03217150	1 1/4 inch	150*	2.2	36.0	1650	1325	285	35.3 (ea)
RRS04017150	1 1/2 inch	150*	2.6	43.2	1855	1580	300	49.8 (ea)
RRS04017300	1 1/2 inch	300	2.6	43.2	1540	865	430	99.6
RRS05017100	2 inch	100*	3.4	57.6	2010	1600	335	58.2 (ea)
RRS05017200	2 inch	200	3.4	57.6	2110	1600	370	116.5

Dimensions are nominal only.

* Selected coils are supplied as 'nested' and must be ordered in multiples of 2. One coil will be strapped inside the other.



ACU-RURAL

White with Red Line Pipe

The ideal solution for exposed above-ground applications, Acu-Rural White is made from the same high quality HDPE material as the Acu-Rural, with more than 95% of the pipe being made from standard black PE material but with a white co-extruded coating.

The white co-extruded coating reduces the solar heating of the pipe by 50%, as it reflects the sunlight which reduces the amount of absorbed heat. This results in the temperature of the pipe only reaching slightly above ambient (air) temperature, which makes it ideal and cost-effective for above-ground applications, pipe water or other fluids, especially temporary water supply for animals or irrigation.

High impact strength and UV resistance guarantee a long lifespan.

All sizes are rated to 900 kPa (at 20°C), PN 9 (SDR 17).

White jacket exterior with red colour striping, co-extruded outer layer for easy identification.

Manufactured in Australia to AS/NZS 4130 'Polyethylene (PE) pipes for pressure applications' and AS/NZS 4129 'Fittings for polyethylene (PE) pipes for pressure applications'.

ISO9001 Quality Management System Certification.

CODE	SIZE (INCH)	COIL LENGTH (M)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	COIL DIMENSIONS (MM)			WEIGHT (KG)
					OD	ID	WIDTH	
RWR02517200	1 inch	200*	1.8	28.9	1590	1280	260	30.4 (ea)
RWR03217150	1 1/4 inch	150*	2.2	36.0	1650	1325	285	35.3 (ea)
RWR04017150	1 1/2 inch	150*	2.6	43.2	1855	1580	300	49.8 (ea)
RWR04017300	1 1/2 inch	300	2.6	43.2	1540	865	430	99.6
RWR05017100	2 inch	100*	3.4	57.6	2010	1600	335	58.2 (ea)
RWR05017200	2 inch	200	3.4	57.6	2110	1600	370	116.5

Dimensions are nominal only.

* Selected coils are supplied as 'nested' and must be ordered in multiples of 2.
One coil will be strapped inside the other.



RURAL COMPRESSION FITTINGS

Acu-Tech Piping Systems' range of HDPE rural compression fittings are designed for connecting imperial-size polyethylene pipes with an outside diameter from ¾" to 2", although adaptors to metric pipe sizes are readily available. They are compatible with PELD, PEHD, PE40, PE80 and PE100 pipes complying with AS/NZS 4130 Series 1. These fittings are used to convey irrigation or drinking water and fluids at low pressures.

Rural compression fittings provide outstanding physical and performance benefits. They are strong, lightweight and reduces the amount of material used and serves as a greener alternative to metal pipe fittings. Designed specifically for the Australian outback, the quality of the materials used make

these fittings resistant to etching by numerous chemical substances, and to UV rays.

These HDPE compression fittings are made of high-performance thermoplastic materials, providing long service life and resistance to corrosion. Made for jointing, reduction and repair, these fittings have distinctive longer red barbs for reliable pipe joins and they are a hand-tightened fitting.

Sourced from leading manufacturers, our clients are assured of our fittings' quality and performance.

Acu-Tech Piping Systems carry an extensive range of rural compression fittings to meet differing sectors' varied requirements.

Couplings (Pipe-to-Pipe Joiners)	Tee with Male or Female BSP Threaded Outlet
90° and 45° Elbows Joiners	Reducing Tee & Equal Tee Fittings
Compression Reducer Fittings	Elbow with Male or Female End
Threaded Fittings	Flanged Ends and End Caps
Adaptor Fittings	Male & Female Adaptors
Clamp Saddles – PN10 & PN16	Imperial to Metric Conversion Kits
Tapping Saddles	Hand Tools & Equipment, including Tighteners



EQUIPMENT HIRE & SERVICING

Acu-Tech hires out welding equipment and provides service and calibration for welders.

Our hire division has a full range of butt welders, extrusion welders and electrofusion welders that can weld pipe diameters from 20mm up to 1000mm. This includes a wide variety of electrofusion equipment, which can be useful if your team is trained to use a particular model.

If you are welding on a site without power supply, we also provide portable generators, designed to be used with poly welding equipment.

New equipment is available for sale if you prefer to invest in equipment upfront.



TRAINING AND TESTING FACILITY

Let Polyweld Tech Academy (PWT) assist with your organisation's polyethylene welding practices.

PWT is equipped with accredited NATA Laboratory testing facilities, specialising in tensile testing of butt welds and peel decohesion of electrofusion welds, along with a complete range of QA/QC inspection services.

PWT is a nationally accredited training organisation, offering specialized courses in HDPE butt welding (PMBWELD301E), electrofusion welding (PMBWELD302E) and extrusion welding (PMBWELD309E) techniques. Two-year reaccreditation courses are also available.



For more information and course enrolments: **1300 36 7659 (GO POLY)**
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The HDPE Pipe Systems Specialists

Contact us

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