



www.acu-tech.com.au 

As your W.A. owned poly pipe manufacturer, Acu-Tech understands the importance of providing high quality products and good customer service to regional areas.



ACU-RURAL - IMPERIAL POLY PIPE SYSTEM FOR RURAL APPLICATIONS

Piping irrigation water is a key challenge in farming and rural areas – precisely where Acu-Tech’s Acu-Rural poly pipe offers a reliable solution. These imperial size pipes are economical, environmentally sustainable, and available to customers across the country through a wide distributor network. Acu-Rural poly pipe is manufactured in W.A. in the most common imperial sizes, to suit rural industry standard requirements.

Acu-Rural poly pipe has been designed specifically for the rural irrigation market. High resistance to impact and weathering makes Acu-Rural HDPE pipes ideal for the most demanding applications. Made from PE100 polyethylene, Acu-Rural poly pipe does not corrode or tuberculate, and maintains its flow capability over long periods of time. Lightweight coils enable fast and easy installation with minimum joints, and the most common sizes also come in shorter 50m lengths to reduce waste when adding short sections to your existing pipeline.

Acu-Tech supplies HDPE piping systems to the farming and rural market through established wholesalers, meaning stocks of pipe and fittings are locally available to customers in the W.A. rural sector. Alternatively, Acu-Tech can arrange transport to regional areas, from our large stocks of standard sizes. Rural compression fittings are also in imperial sizes, although adaptors to metric pipe sizes are readily available.

Key features and benefits:

- Acu-Rural ¾" to 2" diameter pipe is available in 50, 150 and 200 metre coils (see table below)
- High quality pipe, manufactured in Western Australia, to survive harsh environments
- High impact strength and UV resistance guarantee a long lifespan
- All sizes are rated to 900 kPa (at 20°C), PN 9 (SDR 17)
- Lightweight 50m coils of 1" pipe weigh only 7.5 kg



Table of Acu-Rural Coil Sizes

DN	PRODUCT CODE	DESCRIPTION	COIL WIDTH (mm)	OUTSIDE COIL DIA (mm)	WEIGHT
¾"	RRS02017200	Acu-Rural Red Stripe PE100 Pipe - 200m Coil	160	1550	22 kg
1"	RRS02517050	Acu-Rural Red Stripe PE100 Pipe - 50m Coil	150	1300	7.5 kg
1"	RRS02517200	Acu-Rural Red Stripe PE100 Pipe - 200m Nested Coil*	260	1580	30 kg (ea.)
1 ¼"	RRS03217050	Acu-Rural Red Stripe PE100 Pipe - 50m Coil	200	1325	11.5 kg
1 ¼"	RRS03217150	Acu-Rural Red Stripe PE100 Pipe - 150m Nested Coil*	220	1770	34.5 kg (ea.)
1 ½"	RRS04017050	Acu-Rural Red Stripe PE100 Pipe - 50m Coil	220	1350	16.5 kg
1 ½"	RRS04017150	Acu-Rural Red Stripe PE100 Pipe - 150m Nested Coil*	310	1890	49.5 kg (ea.)
1 ½"	RRS04017300	Acu-Rural Red Stripe PE100 Pipe - 300m Coil	450	1600	99 kg
2"	RRS05017100	Acu-Rural Red Stripe PE100 Pipe - 100m Nested Coil*	370	2050	57 kg (ea.)
2"	RRS05017200	Acu-Rural Red Stripe PE100 Pipe - 200m Coil	370	1580	114 kg

*NOTE: To reduce transport costs, larger coils are supplied as ‘Nested’ and must be ordered in multiples of 2 – one coil will be strapped inside the other. Although they are different sizes, both coils are the same length.

ACU-TECH'S BLUELINE PRESSURE PIPE – THE ACU-WATER HDPE PIPE RANGE

Acu-Tech's range of metric blueline HDPE pipe is suitable for pressurized systems when installed according to AS 3500.1:2003 "Water services". Acu-Water pressure pipe can be used for potable water, as it is manufactured from food grade polyethylene material. Blueline pipes suit metric compression fittings, and can also be welded with electrofusion fittings or butt fusion welding. While 50 years is the minimum design life, according to TEPFPA a correctly designed and installed HDPE pipe system will last for at least 100 years. (See www.pipa.com.au).

Acu-Tech PE100 pipe has high flow capacity due to its smooth bore and combination of long lengths and end-to-end jointing methods, which reduces the number of joins in the pipeline. It does not rust, rot, pit, or corrode when in contact with drinking water or approved chemicals, and the smooth internal diameter resists build up and scaling. PE100 does not normally support the growth of, nor is affected by, algae, bacteria or fungi. Acu-Water HDPE pipe is extremely tough and flexible, and can be field bent to a radius 25 times the nominal pipe diameter (SDR11 and SDR17 $\geq 20^{\circ}\text{C}$). This flexibility reduces the need for fittings, and therefore reduces potential leak points.

Acu-Water 20 mm to 110 mm diameter pipe is available in 50, 100, 150 and 200 metre coils. Larger diameters and custom lengths can be made to order. Acu-Water 25 mm to 630 mm diameter pipe is generally available in 6 and 12 metre lengths. Lengths of up to 22 metres are made to order. Contact us today for more information!

Key features and benefits:

- Acu-Water pressure pipe is manufactured in W.A. to Australian Standards
- Easy to install – suits metric compression fittings and electrofusion fittings
- High quality pressure pipe from 20 mm to 630 mm diameter
- Can be custom made to size or length for large quantities



Table of Acu-Water Coil Sizes

DN	DESCRIPTION	PN 10 SDR 17	PN 12.5 SDR 13.6	PN 16 SDR 11	WEIGHT
20 mm	Acu-Water Blueline Poly PE100 Pipe	-	50 & 200m Coils	50 & 200m Coils	0.1 kg/m
25 mm	Acu-Water Blueline Poly PE100 Pipe	-	50 & 200m Coils	50 & 200m Coils	0.2 kg/m
32 mm	Acu-Water Blueline Poly PE100 Pipe	-	200m Coil	50 & 100m Coils	0.3 kg/m
40 mm	Acu-Water Blueline Poly PE100 Pipe	-	50 & 150m Coils	50 & 100m Coils	0.4 kg/m
50 mm	Acu-Water Blueline Poly PE100 Pipe	100m Coil	50 & 150m Coils	50 & 100m Coils	0.7 kg/m
63 mm	Acu-Water Blueline Poly PE100 Pipe	100m Coil	100m Coil	100m Coil	1 kg/m
75 mm	Acu-Water Blueline Poly PE100 Pipe	100m Coil	100m Coil	100m Coil	1.25 kg/m
90 mm	Acu-Water Blueline Poly PE100 Pipe	100m Coil	100m Coil	100m Coil	1.5 kg/m
110 mm	Acu-Water Blueline Poly PE100 Pipe	100m Coil	100m Coil	100m Coil	2.7 kg/m

*NOTE: For more sizes and dimensions of coils, visit: www.acu-tech.com.au/systems/acu-water/ or call us on 1300 270 270. and our friendly sales team will be glad to take your order!



Imperial Size Compression Fittings for Rural Applications

Plasson rural fittings are designed specifically for the Australian outback. They have distinctive long red barbs for reliable pipe joins and are a hand-tightened fitting, to ease installation. Plasson pipe fittings are made for jointing, reduction, redirection and repair of rural PE pipe. Couplings, 90° tees, reducing tees, 90° elbows and 45° elbows are all available with male or female BSP threaded outlets, or with standard ends. End plugs, adaptor fittings, imperial-to-metric conversion kits, clamp saddles and tapping saddles are also available. Acu-Tech maintains stock of the most common Plasson compression fittings, as well as equipment and accessories to aid pipeline installation.

Acu-Therm – White Coated Pipe for Better Heat Tolerance

For above ground pipelines or temporary water supply, Acu-Therm HDPE pipe (25 mm to 800 mm OD) is the perfect solution. This PE pressure pipe has a highly reflective white jacket coating on the outside to minimise solar heating of the pipe and its contents. Testing has demonstrated the white jacket can reduce heating by more than 50%. This provides cost savings in both HDPE material and through increased pipeline flow rates.

If you need advice or guidance, we're here to help. Acu-Tech Piping Systems' sales team have extensive experience in the supply of irrigation pipelines. We encourage you to tap into this wealth of knowledge for your own projects. Our sales office is ready to take your call on 08 9238 8000 and will ensure that your enquiry is dealt with promptly.

