



PE PIPING SYSTEMS FOR  
**PLUMBING SOLUTIONS**





Acu-Tech® Piping Systems (Acu-Tech) specialises in manufacturing and supplying advanced polyethylene (HDPE) pipe systems tailored for efficient fluid or gas transfer and cable protection. Our state-of-the-art pipe systems are predominantly made from polyethylene (PE) thermoplastics, integrating the latest advancements in pipe technology. These systems are extensively utilised across various industries, including mining, resource extraction, civil engineering, plumbing, rural applications, irrigation, and industrial sectors.

Founded in 2000, Acu-Tech commenced its journey within three shipping containers, evolving into a thriving Australian company that is privately owned and operated. The company's founders and owners actively participate in day-to-day operations, fostering a culture of inspiration, strong leadership, flexible decision-making, and unwavering accountability throughout the organisation.

With our expanding operations nationwide, the dedicated Acu-Tech team is committed to providing the highest level of service and support throughout every stage of your project. Our team members bring decades of collective experience and embrace a positive “can-do” attitude, deeply committed to ensuring the sustained success of your business.

## We Care.

Acu-Tech prioritises high quality customer service and support, focusing on always having a positive ‘can-do’ attitude.

## Our Solutions.

With state-of-the-art manufacturing facilities and decades of combined experience, Acu-Tech prioritises continuous innovation and superior products for your HDPE piping needs. Offering turnkey solutions and project management services with a strong emphasis on customer support and success, we ensure tailored solutions that align perfectly with your requirements, whether it's fluid or gas transfer, cable protection, or any other application.

## Your Success.

Your Success is our priority. Our durable and cost-effective products, combined with premium client service and support, demonstrate our unwavering commitment to ensuring the long-term success of your business. At Acu-Tech, we are more than just a supplier; we are your partner in success.



## OUR VISION

Building Australia's future.

## OUR MISSION

Delivering the best pipe solutions for our customers.

## OUR VALUES



**S**

Safety



**T**

Trustworthy



**R**

Reliable



**I**

Innovative



**V**

Value



**E**

Energy

### Safety

We promote wellbeing first – by following our health and safety practices and speaking up immediately if something seems unsafe.

### Trustworthy

We move fast with a high level of trust. We honour our commitments to our customers, team, and community.

### Reliable

We have grit, perseverance, and bravery to overcome obstacles, and do what we say we will.

### Innovative

We bravely challenge, explore, and implement, effective and improved ways to deliver the best solution.

### Value

We are humble, hungry, smart and believe that our team is our greatest asset - every role and every person with great attitude brings value.

### Energy

We are hungry, driven by fearless energy 'hustle muscle' to achieve exceptional outcomes by motivating ourselves and those around us to give our best.



# Quality Assurance



## ISO 9001: DELIVERING EXCELLENCE

At Acu-Tech Piping Systems, we go above and beyond to ensure exceptional quality, epitomised by our ISO 9001 certification - a symbol of excellence in quality assurance.

Our ISO 9001 certification reflects our unwavering commitment to delivering top-tier products and services, while continually refining our processes.

- ✓ Elevating Product Excellence
- ✓ Prioritising Customer Satisfaction
- ✓ Streamlining Efficiency and Enhancing Processes
- ✓ Mitigating Risk
- ✓ Achieving Global Recognition

In summary, Acu-Tech Piping Systems' ISO 9001 certification is not just a label; it signifies our commitment to providing excellence in quality assurance, ensuring our customers receive the best products and services available.

## What sets us apart?

**Consistent reliability:** Regardless of the industry or service, we consistently provide the ideal solution at the most cost-effective value.

**Client-focused approach:** We actively listen and collaborate closely with our clients to grasp the challenges they face

**Tailored solutions:** Leveraging our materials, technology, training, and installation methods, we help determine and implement the right solutions for our clients.

**Problem-solving expertise:** Leveraging our vast knowledge and experience, we address challenges and deliver effective solutions.

**Industry-specific delivery:** We excel in providing bespoke pipeline solutions specifically tailored to the distinctive requirements of the industries we serve.



## Acu-Fire

HDPE pipe solutions for water supply to hydrant, hose reel and sprinkler installations.

The Acu-Fire pipe system has unique properties that make it the material of choice for below-ground fire main pipelines.

With our extensive experience in supplying high density polyethylene (HDPE) piping, our friendly staff are more than ready to assist with your complete pipe and fittings package, including hydrant and hose reels.

### **Our commonly stocked lengths and diameters:**

- Straight pipe lengths: 6m and 12m
- Coil lengths: 100m
- Diameter ranges: 32mm to 315mm

Ability to custom make specific sizes to suit your needs.

## Acu-Drain

HDPE pipe solution for greasy trade and laboratory waste, siphonic stormwater and sewer pipelines.

Acu-Drain is a complete drain, waste and vent system of pipes and fittings, manufactured from high-density polyethylene.

Acu-Tech Piping Systems also offers electrofusion (EF) drainage fittings which are commonly used as a joining method.

### **Our commonly stocked lengths and diameters:**

- Straight pipe lengths: 5m and 6m
- Diameter ranges: 50mm to 315mm

Ability to custom make specific sizes to suit your needs.



## Acu-Water

### HDPE pipe solution for drinking water pipelines.

The Acu-Water piping system is a flexible and lasting solution for all water supply lines.

We provide piping solutions for water applications that are economically and environmentally sustainable.

Many aging water mains are being replaced with HDPE pipe, resulting in reduced leakage and minimal maintenance.

#### **Our commonly stocked lengths and diameters:**

- Straight pipe lengths: 6m and 12m
- Coil lengths: 50m to 200m
- Diameter ranges: 20mm to 200mm

Ability to custom make specific sizes to suit your needs.



## Acu-Gas

### HDPE pipe solutions for gas pipelines

Acu-Gas HDPE pipe is the system of choice for below-ground natural and LP gas mains and distributions pipelines.

With Acu-Tech's vast stock, service support, and high-quality products, we offer complete package solutions.

#### **Our commonly stocked lengths and diameters:**

- Straight pipe lengths: 6m and 12m
- Coil lengths: 100m and 200m
- Diameter ranges: 20mm to 160mm

Ability to custom make specific sizes to suit your needs.

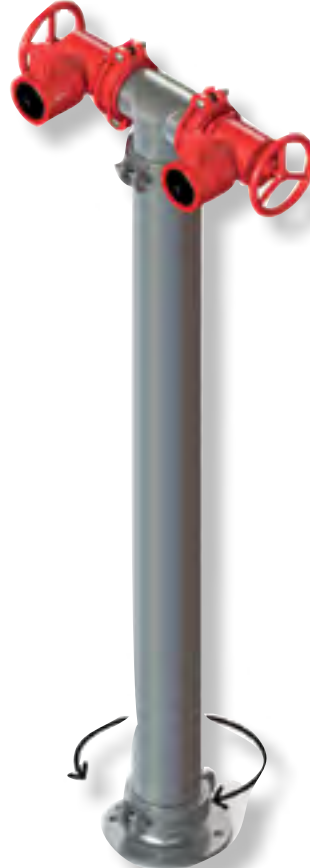
## Fire Hydrant – DN100 Twin Valve Kit

A durable system that is easy to install.

Features:

- Valve caps included
- Hot dip galvanized to AS/NZS4680
- Roll groove coupling top and bottom for swivel adjustment
- Drilled Table E flange standard
- Other connections available on request

Non-standard heights made to order.





## Mechanical Couplings and Transition Couplings

PE to PE and PE to Steel

- Designed for plain end HDPE pipe (SDR 7 – SDR 26) and grooved steel sized piping system components
- Sizes from 2-14" IPS and 63-355mm ISO
- Pressure rating meets or exceeds the performance capabilities of the pipe



## Transition Fittings

### Transition Fittings

PE to PVC

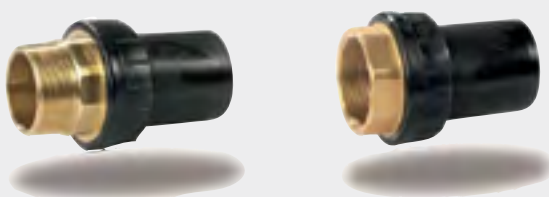


PE to Roll Groove

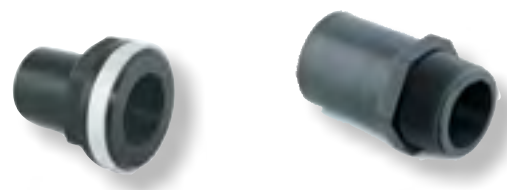


### Threaded Transition Fittings

Brass Transition Fittings



PE Transition Fittings



## Poly Spigot Valves

- Acu-Tech offers poly spigot valves that provides an ease of installation and reliability.
- Our stock consists of resilient seated gate valves along with lugged and wafer butterfly valves.

Custom preassembled valves can be made to order.



## Advantages:

- Full guarantee on assembled valve.
- Piece of mind. Assembled in workshop environment to correct torque settings.
- Ease of on-site installation. Just EF weld into the pipe system, no need to struggle with bolting in trenches etc...
- Designed for purpose steel gaskets.
- Easy future valve maintenance.

# OTHER PLUMBING OFFERINGS



Electrofusion Couplers



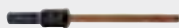
Electrofusion Reducers



Polyweld Wipes



Bolt Sets



PE to Copper Adapters



Marker Tape and Tracer Wire



Pipe Cutters



Fabricated Fittings



Electrofusion Machines



Mechanical Tapping Saddles



Other Pipe Varieties



Sweep Bends



Tapping Saddles



Backing Rings



Blind Flanges



Gaskets



Repair Bands



Pipe Preparation Equipment



Compression Fittings



Spigot Fittings



Foam Pigs



Electrofusion Equipment



# 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 and butt welders, 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.

Work with Acu-Tech and a recommended financial advisor to facilitate capital equipment purchases. Contact our hire sales team for more information.

View the Equipment Hire website:  
<https://acu-techhire.com.au/>



*Multi Scraper*



*Mono Pipe Scraper*



*Hand Scrapers*



*Pipe Cutter*



*Electrofusion Welders*

## Using this Catalogue

ACU-TECH (00)9229 8888 1300 270 270

Acu-Tech Piping Systems provides technical guidance for plumbers in this catalogue. However, please note that it cannot encompass all design considerations.

For accurate system design, always refer to applicable Australian Standards and local authority regulations.

Dimensions in this catalogue are approximate and subject to change. 'Nominal Bore' corresponds to the equivalent DWV size. For precise measurements, contact our sales team.

If you require products not listed or need additional technical support, please contact our sales team or Technical Sales on 1300 270 270.

We offer a wide range of associated products, including valves & custom flanges.

While we strive for accuracy, Acu-Tech Piping Systems accepts no liability for errors or omissions.





## Transport & Warehouse Logistics

Our transportation yard has the capacity to load up to 15 trucks daily, accommodating a diverse range of pipes with lengths of up to 20 meters and diameters of 800mm. Our dedicated transport team is steadfast in their commitment to ensuring orders are delivered in full and on time, with safety as our top priority.

We offer a comprehensive project solution through our dedicated fleet of trucks and skilled drivers.

These professionals undergo rigorous training to guarantee efficient unloading and an unwavering commitment to delivering exceptional service.

Our large transportation fleet has the capability to accommodate a diverse range of pipes with lengths of up to 21 meters and diameters up to 1200mm.

Our dedicated transport team is steadfast in their commitment to ensuring orders are delivered in full and on time, with safety as our top priority.

With the added assurance of our overhead permits and Heavy Vehicle Accreditation, you can place full trust in us for the secure and timely delivery of your goods, ensuring a smooth transportation experience that perfectly aligns with all your project needs.

## Training & 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)  
info@polyweldtech.com.au | www.polyweldtech.com.au

# Our Capabilities

## Technical Support:

We provide technical support for designers, engineers, and installers.

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## Training:

Through our training partner we can offer our clients the ability to train staff with nationally accredited polyethylene plastic welding courses.

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## QA/QC:

We are also qualified to provide Quality Assurance and Quality Control documentation.

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## Testing:

We have a fully accredited in-house NATA testing facility to provide destructive and pressure testing as per project requirements.

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## Equipment Hire, Sales, and Servicing:

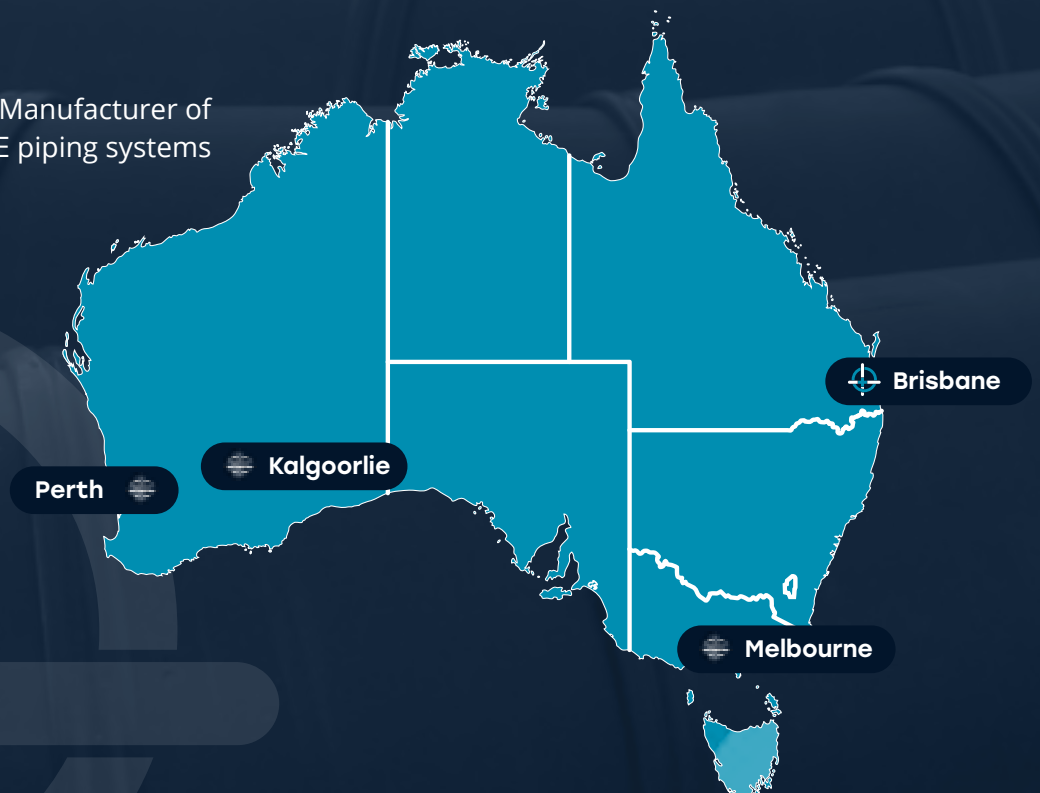
Acu-Tech offers welding equipment available for hire or sale and providing servicing and calibration for welders.

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## Transport:

Products are delivered using our own fleet of trucks. By not using an external transport provider we can ensure that the product is delivered directly to site in a safe and timely manner.

National Manufacturer of  
HDPE piping systems





## The PE Pipe Systems Specialists

### Contact us

1300 270 270

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WE CARE. OUR SOLUTIONS. YOUR SUCCESS.

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