
Our Capabilities
Fusion has created a complete customer experience by offering supply, plastic fabrication, site services and hire.
Fusion is one of Australia’s largest stockists and suppliers of specialist plastic piping system products.

Our experienced team, technical knowledge, excellent stock holding and fast turnaround time provides market leading service and supply.

Our extensive range includes pipe, fittings, valves, double containment, actuation, flow control, parts, accessories, equipment, consumables and safety products.

These are available in a variety of materials including UPVC, CPVC, ABS, PP (PP-R), PVDF (UHP), PE (PE100-RC), ECTFE, steel and brass. This enables our clients to tailor product specifications to their individual applications.

Each product has been carefully selected from global leading brands including Asahi Valves, Charlotte Pipe Co, Agru, Unex, Polypipe, Flowline Level Measurement and more than 30 others.

Facts on Supply:
+ East and west coast distribution centres
+ Servicing clients nationally
+ Over 26,000 product lines
+ Over 7,000 products in this catalogue
+ 24 hour turnaround time on orders
+ 98% service level for stocked items
Agru
Welded Piping Systems & Building Technologies

Commencing business in Austria in 1948, Agru is one of the world’s leading suppliers of engineered plastics that include high-quality piping brands, semi-finished products and specialist lining systems. Agru’s success is built on innovation and technology in welded thermoplastics products. This includes materials such as PE (PE100-RC), PP (PP-R), PVDF (UHP), high purity (ECTFE), pre-insulated and dual containment piping systems, and other engineered plastics. Now available through Fusion in Australia.

www.agru.at

Asahi Valves
Valves, Actuation and Strainers

Asahi America is a diversified ISO9001 certified manufacturer and supplier of thermoplastic corrosion resistant fluid flow products including valves, actuators, piping systems and welding equipment. Manufactured in Japan and the USA, Asahi America has established itself as a top-tier manufacturer worldwide through its exceptional quality and application specific products.

www.asahi-america.com

Our Brands

For information on our full range of brands visit fusionaus.com
Charlotte Pipe Co
Plastic Pipe and Fittings
Charlotte Pipe and Foundry Company has been manufacturing pipe and fittings in the USA for over a century. Employing nearly 1,400 staff, Charlotte sells its product extensively throughout the USA and exports to over 35 countries.
Charlotte products include pipe and fittings made from Schedule 80 UPVC, Schedule 80 CPVC and Schedule 40 UPVC.
www.charlottepipe.com

Flowline
Level Measurement and Flow Control
With over 25 years of proven success, Flowline’s quality solutions measure tank inventories, automate tank processes, ensure workplace safety and protect the environment.
With a focus on reliability, quality and ease of use, Flowline’s range includes pulse and guided wave radar, ultrasonic, float and pressure level transmitters, single and multi-point level switches, level controllers and indicators.
www.flowline.com

Our Brands

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**Unex**  
Cable Management Systems  
Fusion are excited to represent the Unex brand of products in Australia. Since 1964, Unex has focused its business on developing exceptional quality PVC cable management systems that are far superior to metal based products.  
Unex proprietary materials, design and technical features allow their products to suit a wide range of applications in water treatment, chemical processing, food and beverage, mining, pharmaceutical, oil and gas, electrical and IT markets.  

[www.unex.net](http://www.unex.net)

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**Polypipe**  
Cemented Piping Systems & Building Technologies  
Polypipe is the UK’s largest plastic piping systems manufacturer. They produce over 100 product systems and more than 20,000 product lines including pipe and fittings in ABS, PP and UPVC.  
Their unrivalled portfolio offers dependable, innovative solutions for pressure and non-pressure applications. This enables the movement of water, air, power, chemicals and telecoms throughout the built environment.  

[www.polypipe.com](http://www.polypipe.com)

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**Our Brands**

For information on our full range of brands visit [fusionaus.com](http://fusionaus.com)
**UPVC**
Handles temperatures of 0 – 60°C and pressures up to 16 bar. Unplasticised Polyvinyl Chloride is joined using solvent cement and is used in the water treatment, chemical process, shipbuilding and utilities industries.

**PE (PE100-RC)**
 Supports temperatures ranging from -50 to +60°C, Polyethylene handles pressure up to 16 bar with jointing via butt, socket and electro-fusion. Applications for PE include water treatment, chemical process, shipbuilding and utilities industries.

**PP (PP-R)**
Capable of handling temperatures ranging from -10 to 90°C, Polypropylene handles pressures up to 16 bar and can be joined with butt fusion, socket fusion or infrared. Applications include water treatment, energy and chemical processing.

**PVDF (UHP)**
Able to withstand temperatures ranging from -20 – 140°C, Polymethylmethacrylate withstands pressures up to 16 bar and is joined using infrared or butt fusion. The wide temperature capabilities of PVDF make it suitable for pharmaceutical, water treatment and chemical processing industries.

**ABS**
Supporting temperatures as low as -40°C up to +60°C, pressures up to 15 bar and joined using solvent cement; Acrylonitrile Butadiene Styrene is perfect for cold water and chilled / low temperature applications.

**Backing Rings & Gaskets**
We carry an extensive range of quality-certified backing rings, blind flanges and gaskets in galvanised steel, stainless steel and polypropylene to suit all applications.

**CPVC**
Capable of handling temperatures ranging from 0 – +80°C, pressures up to 16 bar and joined using solvent cement; Chlorinated Polyvinyl Chloride suits the water treatment, chemical process, shipbuilding and utilities industries.

**Dual Containment**
Add an extra layer of safety when conveying corrosive chemicals or fuel by using a double contained piping system. Fusion supplies completely contained systems that provide dual containment within pipes, fittings and valves.

**Building Technology**
Pre-insulated piping systems for hot and cold water, safety shower lines and refrigeration applications.

**Parts, Accessories & Safety**
The additional products and materials that are required to undertake a site installation or workshop project.

**Cable Management**
PVC cable management systems that are far superior to metal based products for use in a wide range of industries from chemical processing to IT.

**Valves**
We offer an extensive range of valves and associated products to suit applications that include the water treatment, chemical processing, food and beverage, mining and industrial markets.

**Fusion In-house Products**
Our range of fabricated industrial products of best-in-class chemical storage tanks and dosing panels that deliver efficiency, a short lead time, a 25 year design life and cost-effective pricing.

**Instrumentation**
Measure and monitor tank levels, automate liquid transfer processes, monitor the quality of fluid content and operate facilities safely.
Fusion is well recognised throughout Australia for plastic fabrication expertise, the swift supply of plastic piping systems products and over 17 years of extensive site service history — including installation and maintenance.

Our team of experienced Project Managers, Mechanical Engineers, Fabricators and Installers, can take you from concept, design, engineering, fabrication, through to the delivery of the final product. Utilising sophisticated design software, our Engineers are able to design a solution to suit most application requirements.

Our manufactured products include; chemical storage tanks, chemical dosing panels, pipe spooling, launders, chutes, machine guards, electro-winning cells, pontoons, machined plastics and just about any custom option our clients require. Industries include; water treatment, chemical processing, mining, shipping, infrastructure and food and beverage.

Fusion complies with the requirements of ISO 9001:2008 for the fabrication and installation of plastic products and piping systems.
Plastic Fabrication Projects

01. PE culvert.
02. PP settlement tank.
03. Rectangular PE tank reinforced with stainless steel bracketing.
04. PE brackets with pre-installed pipe kits for a dual containment installation.
05. PE tanks and rectangular bunds.
06. PP precipitators.
07. PP sodium hypochlorite Load In Panel.
08. Dean butt welding PE sheet for a chemical storage tank.
09. PE machine guards.
10. PP chemical dosing panel with auto-closing doors and sight glass.
11. Large bore PE pipe spooling.
12. Integrated FRP platform with PE bunds and PP dosing panels.
13. PP chemical dosing panel with safety curtain.
Fusion has become synonymous with plastic fabricated chemical storage tanks, bunds and fabricated products that are engineered, heavy-duty and come with a design life of up to 25 years.

Our expertly trained fabrication teams and German sheet butt welding machines build the strongest and longest-lasting plastic chemical storage tanks, bunds and fabricated products in Australia.

Custom Tanks

For many years, Fusion has specialised in custom engineered tanks and bunds that are tailored to specific application needs. Our in-house engineers and expertly trained fabrication teams work with clients throughout the process of design, engineering, fabrication, QA and product delivery.

rTanks

In 2015, Fusion launched a range of standard size chemical storage tanks and accessories. By pre-designing, engineering and pre-fabricating Fusion rTanks, we can provide superior quality and competitively priced tanks delivered to your door in a shorter timeframe than custom products.

Bunds

Fusion has launched a range of round bunds and IBC bunds designed to suit the rTanks range. The IBC bunds are efficiently designed to be cost effective and fabricated for strength; making them suitable for IBC chemical storage products.
01. Tall PE fabricated tank.
02. Fusion’s German sheet butt welding machine used to fabricate strong chemical storage tanks.
03. Fabricated PE tanks ready for delivery.
04. Custom PP tipper truck tank, easily removable and light to transport.
05. Round PE chemical storage rTanks.
06. Plasking designed and Fusion fabricated water haulage tanks.
07. Custom PE rectangular tank.
08. Custom PE tank in steel bracketing.
09. Three custom round storage tanks with sight glass and bunds.
10. Fusion round tank in IBC bund.
Chemical Dosing Panels

Fusion’s work developing, fabricating and installing the safest chemical dosing panels, in consultation with a leading design house and state utility provider, is a testament to our dedication of producing the highest quality plastic fabricated products for industrial use, in Australia.

With over 17 years of fabrication and design experience in this field, Fusion is recognised as a world-class, trusted partner on major water treatment, desalination and utilities projects. Our dosing, loading, and sample panels, are specified throughout Australia.

Introducing our standard range of dosing cabinets.

We are also pleased to be able to offer a designed and engineered standard range of dosing cabinets. Available in different sizes and configurations and featuring; self-supporting standard design, rigid self-closing doors, lock open and easy-close doors, lockable twist handles, door seals, a fully sealed enclosure and drip tray. Fabricated using polypropylene, polyethylene or PVC, our designs provide a very safe and long lasting enclosure protecting people and the environment.
01. Lars inspecting chemical dosing pipework prior to client pick-up.
02. PP dosing panels housing third party installed pipework.
03 - 06. PP sampling / analytical panels.
07. PP sodium hypochlorite storage tank load-in panel.
08. PP fluorosilicic acid storage tanks load-in panel.
09. Integrated bund and sodium hypochlorite load-in panel with dosing instrumentation.
10. Safety curtain style PP dosing panel.
11. Auto-closing, windowed and lockable PP chemical dosing panels.
Site Services

Fusion’s team of site services technicians are highly skilled in plastic fabricated product and specialised piping systems installation throughout metropolitan, country and remote sites, Australia wide.

Our team provides:
+ Maintenance
+ Installation, and
+ Plant upgrades

Our specialised site services include:
+ Chemical storage tank, dosing panel and machine guard fabrication, as well as installation.
+ Supply and installation of plastic piping systems.
+ Dual containment systems design and installation.
+ Butt fusion, electrofusion and socket fusion welding.

Keeping up with the latest technology and best practices, our site services team regularly complete comprehensive in-house training.

Their qualifications include:
+ Glue jointing
+ Butt fusion and Electrofusion welding
+ Working at heights and EWP
+ Confined space
+ Manual handling
+ Lifting and rigging

Our teams are proficient with all installation guidelines, industry standards and quality documentation requirements.

Fusion complies with the requirements of ISO 9001:2008 for the fabrication and installation of plastic products and piping systems.
01. Chemical processing pipework.
02. Chemical dosing panel fabricated in-house and installed on site.
03. Two large Fusion PE chemical storage tanks in front with pipework.
04. Butt welding large bore PE pipe on site.
05. PE spooling installed at a water treatment plant.
06. Complex chemical processing pipework installed.
07. Actuated and manual valves installed at a water treatment plant.
08. Custom integrated bund, tank and chemical dosing panel.
09. Outback pipeline installation of PE.
10. Rural site butt welded PE pipeline.
11. UPVC piping and valves installed to clients specifications.
Hire Equipment

Fusion has an extensive fleet of specialised equipment available for hire to suit plastic fabrication and piping installation requirements. Our fleet of equipment is tested, calibrated and serviced to ISO9001 as well as rigorous internal quality standards.

Our Equipment Fleet

+ Butt fusion welding machinery
+ Electrofusion welding machinery
+ Socket fusion welding machinery
+ Extrusion guns
+ Rotary Peelers
+ Generators
+ Hand tools and accessories

Fusion’s fleet includes over 80 machines that can be hired and delivered to your site Australia wide. Our teams have the experience and knowledge to advise on your project requirements.

For more information contact a member of our technical sales team at info@fusionaus.com.
GET THE
FUSION PRODUCT GUIDE

Head to our website to get your copy of the most comprehensive compilation of products, services, and suppliers in the industry.

Featuring 10,000 products under 14 categories and more than 30 market-leading suppliers from across the globe.