



clover 

## PRODUCT OVERVIEW



water, sewer, electrical, gas.

## AUSTRALIAN OWNED AND OPERATED

Clover Pipelines is Australia's fastest growing specialist supplier and distributor of innovative pipeline products with years of industry experience for the Australian water, waste-water, electrical and gas infrastructure markets.

## KNOWLEDGE YOU CAN TRUST

Specialising in specifying and supplying the most technically advanced pipe and fitting systems for the Australian market, Clover provides complete pipe systems including Australian manufactured products and exclusive international product lines. This ensures our customers get the best solution, every time. To stay ahead of the game, we make sure we don't rest on the past, but focus on our customer's next project and challenge.

## A DEEP POOL OF TALENT

People at Clover are a unique group of professionals who actually care. We are to the point and offer no compromises when it comes to quality and the end to end delivery of our products and advice. Clover has an established force employing dedicated professionals in areas including sales, distribution, customer service, manufacturing, technical support, research and development.

**FRESH THINKING** With innovation at the core of our business, we are always investing in ways to deliver best practice from our technically advanced thermoplastics pipe manufacturing system to our growing distribution network. Our strategic approach of working with industry leaders, research and development through sound investment and innovation, coupled by meticulous quality control and safety has established Clover as a global leader in the thermoplastics industry.

## ZERO HARM

As part of our commitment to achieving the principles of health and safety in our workplace, we recognise our moral and legal responsibility to provide a safe and healthy work environment for employees, contractors, customers and visitors. This commitment also extends to ensuring that our operations do not place the local community or environment at risk of injury, illness or damage.

## LOOKING AFTER OUR FUTURE

As part of our commitment to achieving the principles of responsible environmental management, sustainability and protection of the natural environment, we recognise our moral and legal responsibility to ensure that our activities, products and services are designed to protect and enhance the environment in the communities in which we operate. Our obligations are to ensure that our operations do not place the natural environment or the local community at risk of harm and to leave the world a better place for our children and their children.

## STRIVING TO EXCEED

Our continuous improvement programs examine new materials, process technology, manufacturing equipment and new product developments ensure our leading innovative edge within the pipeline industry. What does this mean? Better products for you and the industry that meet the strictest approval requirements and exceed industry standards. Clover is a quality endorsed company, accredited to ISO9001. With an ongoing commitment to processes and products that comply with all relevant statutory and regulatory requirements.

## EVERYWHERE YOU NEED US TO BE

With locations across Australia, Clover has the resources and commitment to deliver infrastructure projects right across Australia, on time and to budget.





## PVC PRESSURE PIPE SERIES 1 & 2

For use in potable, non-potable water & sewer pressure systems

Size Range: DN100 - DN600  
 Pressure Range: PN6 - PN25  
 Materials: oPVC, mPVC & uPVC  
 Colours: Blue, Lilac, White and Cream  
 Joint Options: Rubber Ring (RRJ) & Solvent Cement (SCJ)  
 Standard: AS/NZS4441 (oPVC), AS/NZS4765 (mPVC), AS/NZS1477 (uPVC)



## GRP PIPE & GRP JACKING PIPE

For use in pressure, non pressure and trenchless applications for potable, non-potable water & sewer systems

	GRP PIPE	GRP JACKING PIPE
Size Range:	DN300 – DN3400	DN400 – DN1400
Pressure Range:	PN1 – PN32	50 – 500 Gj/Ton Load
Lengths:	up to 11.8m	1.0m to 3.0m
Stiffness:	SN1250 – SN20000	
Compliance:	WSAA Appraisal 08/02 Part 1 & 2	
Standards:	AS3571.1, AS3571.2, ISO 10467, ISO 10639	
Diameters:	AS/NZS2280 Compatible (DN 300 – DN 750)	



## DUCTILE IRON PIPE & FABRICATION

For use in potable, non-potable water & sewer systems

Size Range: DN80 - DN750  
 Pressure Range: PN20, PN35, & K9/K12  
 Coating Options: Standard Bitumen cement lined, Fusion/Epoxy Coating (fabricated specials), Polyurethane Internal/External  
 Joint Options: Rubber Ring Joint, Restrained Rubber Ring, Flanges to AS4087, Weep Flanges & Tappings  
 Standard: AS/NZS2280 & EN545



## POLYETHYLENE PIPE

For use in potable, non-potable water & sewer systems

Size Range: DN16 – DN1600  
 Pressure Range: PN4 – PN25 (PE100: SDR41 - SDR7.4)  
 Material Options: PE100 (Potable/Non-Potable/Rec Water/Sewer), PE80/100 (Gas), PE80 (Electrical/Communications)  
 Lengths: 6m, 12m & 20m Lengths in all sizes  
 Coils: 25m – 200m Coils up to DN160  
 Colours: Black, Blue, Lilac, Cream, Yellow, White & Orange  
 Standard: AS/NZS4130



## PVC NON PRESSURE PIPE & FITTINGS

For use in non pressure sewer gravity and drainage systems

Size Range: DN80 – DN300  
 Stiffness Classes: SN4 – SN10 (DWV)  
 Material Options: uPVC  
 Product Range: Pipe and extensive range of Fittings  
 Standard: AS/NZS1260 (DWV), AS/NZS1254 (Stormwater), AS/NZS2053 (Conduits)

## TOM S2 PVC-O PIPE

ONE STEP AHEAD WITH SIZES TO DN600 PN25 AND ECO-FRIENDLY TECHNOLOGY

### ONE STEP AHEAD

A state of the art manufacturing plant in Australia that produces TOM S2 PVC pipe.

Through exclusive Molecor technology, Clover can supply TOM S2 PVC pipe up to DN600 PN25 which is superior in strength, yet lighter for handling and installation.

### ECO-FRIENDLY

The PVC-O manufacturing plant produces the most eco-friendly pipe for water transportation in the world that is 100% recyclable, with low embodied energy and has less raw material wastage.



### KEY FEATURES

- New Generation Series 2 PVC-O pipe
- Sizes from DN100 to DN600
- Working Pressures from PN12 to PN25
- Stiffness SN10000 minimum
- High Strength, Light Weight
- Eliminates corrosion and electrolysis
- High impact resistance
- Increased hydraulic capacity
- Fatigue resistance
- 100% Australian owned
- Energy efficient & 100% Recyclable

### WHY USE DUCTILE IRON WHEN YOU COULD USE PVC S2 TOM – PN25

We know the pressure of specifying and installing the best pipe system for any infrastructure project.

The design features of PVC S2 TOM PN25 pipe offer improved hydraulic capacity with significant environmental benefits and its light weight reduces the installation and handling costs.

This is why we supply the most advanced PVC pipe system in the world, PVC S2 TOM PN25, the superior alternative to Ductile Iron.

## SUPERLIT GRP PIPE & FITTINGS

### THE VERSATILE SOLUTION WITH SIZES TO DN3400 PN32

Exclusive to Clover, the Superlit GRP pipeline system offers versatility with superior quality and can be manufactured in a wide range of sizes, pressures and stiffness classes making it an ideal choice for pressure, non-pressure and trenchless applications.

### KEY FEATURES

- Sizes from DN300 to DN3400, compatible with AS/NZS2280 (DN300 to DN750)
- Working Pressures from PN1 to PN32
- Stiffness classes SN1250 to SN20000
- Lengths up to 11.8m
- Large range of GRP Fittings available
- GRP Coupling with integral EPDM seal
- Light weight materials
- Eliminates corrosion and electrolysis
- Versatile manufacturing process

### JACKING PIPE

GRP Jacking Pipe is ideal for Trenchless Sliplining and Microtunneling/Jacking applications.

### FEATURES:

- Sizes from DN400 to DN1400
- Lengths 1.0m to 3.0m
- Jacking Load from 50 to 500 Gj/Ton
- Long Service Life
- Light Weight, Low Profile with Flush Couplings



# FITTINGS & VALVES



## DUCTILE IRON FITTINGS

For use in potable & non-potable water & sewer pressure systems

Size Range: DN80 – DN750

Pressure Range: PN16, PN35

Materials: Ductile Iron with Thermal bonded polymeric coating

Compatibility: Series 1 & 2 pipes, and AS/NZS2280 pipes

Features: High strength, corrosion, impact & abrasion resistance

Standards: AS/NZS2280, AS4087, AS4020, AS1646, AS4158



## VALVES & HYDRANTS

For use in potable & non-potable water & sewer pressure systems

Gate Valves: DN50 – DN750 Resilient & Metal seated valves

Hydrants: Spring Hydrants, Screw Down & Control hydrants

Range: Butterfly, Knifegate, Air, Check, Ball & Control valves

Materials: Ductile Iron, Cast Iron, Stainless Steel, Polypropylene, PVC, DR Brass & Gunmetal

Actuator Options: Manual, Geared, Pneumatic & Electric options

Standards: Compliant with relevant Australian Standards



## COUPLINGS, ADAPTORS & DISMANTLING JOINTS

For use in potable & non-potable water & sewer systems

Size Range: DN80 – DN2400

Pressure Range: PN16 (Higher pressure ratings available on request)

Features: Coupling end capable of joining diameters that differ

Types: Universal Couplings & Flange Adaptor Couplings, Dismantling Joints – restrained and non-restrained

Bolt Options: Sheraplex, Galvanised or Stainless Steel options



## PE ELECTROFUSION & BUTT WELD FITTINGS

For use in potable & non-potable water & sewer systems

Size Range: DN20 – DN1200

Pressure Range: PN10, PN16

Product Range: Electrofusion Fittings

Short Spigot Fittings for Butt Welding

Long Spigot Fittings for Butt Welding & Electrofusion

Standard: AS/NZS4129



## PE FABRICATED FITTINGS & EQUIPMENT

For use in potable & non-potable water & sewer systems

Size Range: DN20-DN1200

Pressure Range: PN4 - PN25

Process: Butt Welding and Electrofusion as required

Materials: Fabricated from PE pipe & moulded spigot fittings

Equipment: Welders, Scrapers, Rounding Tools & Clamps

Features: Can be customised to meet your needs

Standard: Materials comply with AS/NZS4129 & AS/NZS4130



## SERVICE CONNECTIONS

For use in potable & non-potable water & sewer pressure systems

Scope: Pipeline service connection fittings from mains to meter

Product Range: Tapping Bands, Ferrules, Ball Valves, Meter Cocks, Water Meters & accessories

Material Options: Noryl, DR Brass, Gunmetal & Polypropylene

Standards: Complies with relevant Australian Standards



## STAINLESS STEEL CLAMPS & OFFTAKES

For use in potable & non-potable water & sewer pressure systems

Size Range: DN20 – DN600

Pressure Range: PN12, PN16

Materials: 316 Stainless Steel - Body & Fasteners

Offtake Options: BSP Tapped Offtake (15mm – 100mm BSP)  
Flanged Offtake (DN80 – DN200 PN16 AS4087)

Standard: AS4181



## STREETWARE

Used for identification and access to underground services

Surface Boxes: Hydrant, Valve, Meter and Service boxes with shrouds & base plates

Markers: Posts, Reflectors and Kerb Markers

Materials: Boxes - Ductile Iron, Cast Iron & Polypropylene

Box Surrounds: Recycled Plastic & Concrete

Colours: Wide range of colours available for both potable and non potable applications



## INSTALLATION, IDENTIFICATION, JOINTING & TESTING

For use in potable & non-potable water & sewer systems

Products: Ratchet Spanners, Tools, Tapping Machines, Bevellers, Test Plugs & Kits, Cable Covers, Marker Tapes – detectable and non detectable, Gasket Sets, Seals, Fasteners, Cements, Lubricants, Megapoxy, Petroleum Tapes and Pipe sleeves & tape.



#### **HEAD OFFICE**

141 National Boulevard,  
Campbellfield VIC 3061

Locked Bag 2021. Somerton VIC 3062

**P** 03 8373 8000 **F** 03 8373 8099

#### **NEW SOUTH WALES**

49-53 Newton Rd,  
Wetherill Park, NSW 2164

**P** 02 8279 8000 **F** 02 8279 8099

#### **QUEENSLAND**

6/41 Bellrick St,  
Acacia Ridge QLD 4110

**P** 07 3073 7000 **F** 07 3073 7099

#### **SOUTH AUSTRALIA**

**P** 08 8120 4600 **F** 08 8120 4699

#### **WESTERN AUSTRALIA**

**P** 08 6166 6800 **F** 08 6166 6899

#### **NORTHERN TERRITORY**

**P** 08 7999 8400 **F** 08 7999 8499

#### **TASMANIA**

**P** 03 6111 9500 **F** 03 6111 9599

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