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Your Source for Local Supply and Support

VALVES AND ACTUATORS

PACSON

PIPING PRODUCTS 

INSTRUMENTATION 

VALVES AND ACTUATORS 

MANUFACTURING 

INDENT SERVICE 

HYDRAULIC 

PROCHEM
PIPELINE PRODUCTS

A pon company

Pacson Valves

World leading onshore and offshore valve applications.

A key supplier of high integrity valves to the world oil & gas market, Pacson Valves is a leading developer for severe service and highly critical applications. A privately owned Scottish company, with its 4,650 m^2 headquarters in a modern manufacturing facility based in Dundee, Scotland, the company has a global presence with sales offices in every major oil and gas producing country in the world. Pacson Valves pride themselves on the quality of products and services with a total in-house capability for the design and manufacture of surface valves, subsea valves and pressure control products up to 400 mm (16") NB, or up to 172 MPa (25,000 psi) working pressure.

Meeting the needs of the Oil, Gas, Petrochemical and Process Industries worldwide.

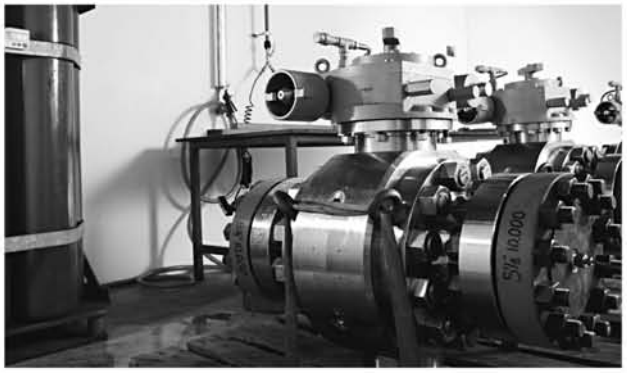
Whether you require a 8 (1/4") NB isolation valve or a 250 (10") NB 100 MPa (15,000 psi) rated isolation valve, Pacson Valves have a total solution from design and manufacture, through to testing.

Ball Valves: single isolation valves, double block and bleed valves.

Gate Valves: hydraulically actuated valves, and manual valve products.

Needle Valves: ROV operated 3/4 turn and manual multi-turn valves.

Check Valves: swing valves, and inline piston valves.



Committed to Continual Improvement – the Key to Quality Performance.

Quality Assurance

Pacson recognises the importance of quality to their customers and to the company's continued success. The independent Quality Assurance and Quality Control departments monitor product and process compliance.

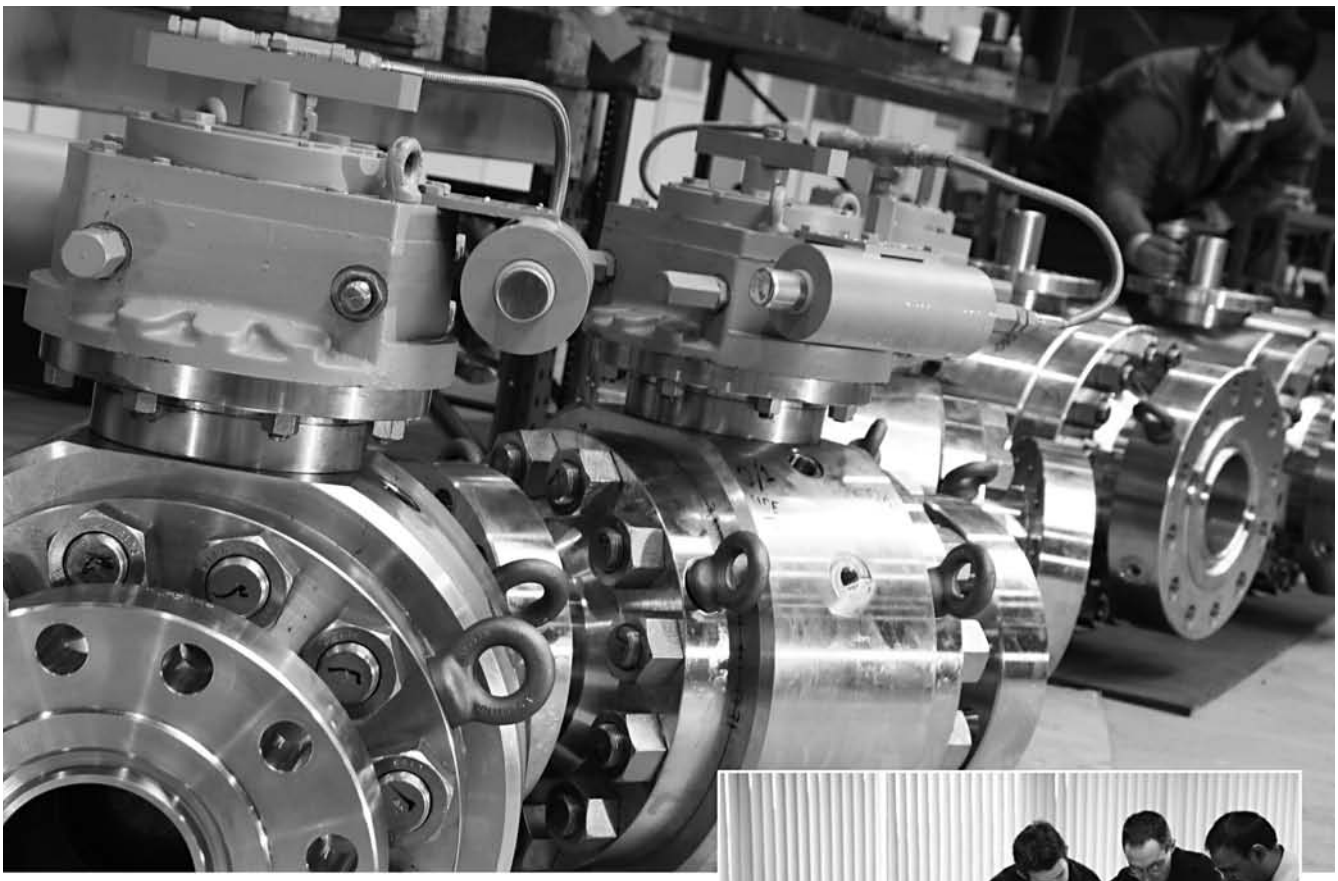
Expectations of quality are set to meet and exceed all specified requirements and relevant standards. These include, as a minimum, the requirements of EN ISO9001:2000 and the European Council Directive 97/23/EC Module H of the Pressure Equipment Directive, as per the Pressure Equipment Regulations S1 1999. No 2001.

Valves designed to comply with: API 6A, API 6D, API 17D, ASME B16.34, ASME B16.5, B16.10 and B16.25, ASME II, V, VIII, X, NACE MR0175

ISO STANDARDS

ISO 5208 Industrial Valves Pressure testing
ISO10497 Fire Testing
ISO10423 Wellhead & Christmas Tree Equipment
ISO10433 Underwater Safety Valves
ISO 13628-8 Remotely Operated vehicle (ROV) Interfaces
ISO 14723 Subsea Pipeline Transportation Systems
ISO 9001:2000 Quality Systems
ISO 4406 Hydraulic Fluid Cleanliness

PACSON valves



Engineering and Design

Pacson Valve's engineering and design capability has been developed through significant investment in manpower, training, hardware and software. The company can provide extensive technical support to customers, whilst ensuring that products and systems are at the cutting edge of product design.
All designs are validated by extensive performance testing programs, covering extremes of temperature, pressure, endurance and process fluids, giving total confidence in Pacson Valves' products.

- 3D solid modeling
- Finite element software
- CAD 2D drafting
- Unique parametric design methods
- Fluid Dynamics

Manufacture and Finishing

The in-house machining facility has the capability to process a wide range of valve and equipment components in standard or exotic materials. Pacson's expertise in machining has been built up over many years within the oil & gas industries. The CNC machine operate with the latest tooling technology, and this allows Pacson Valves to stay at the forefront of machining techniques, resulting in the highest quality components and the most cost effective machining techniques.

Materials of Construction

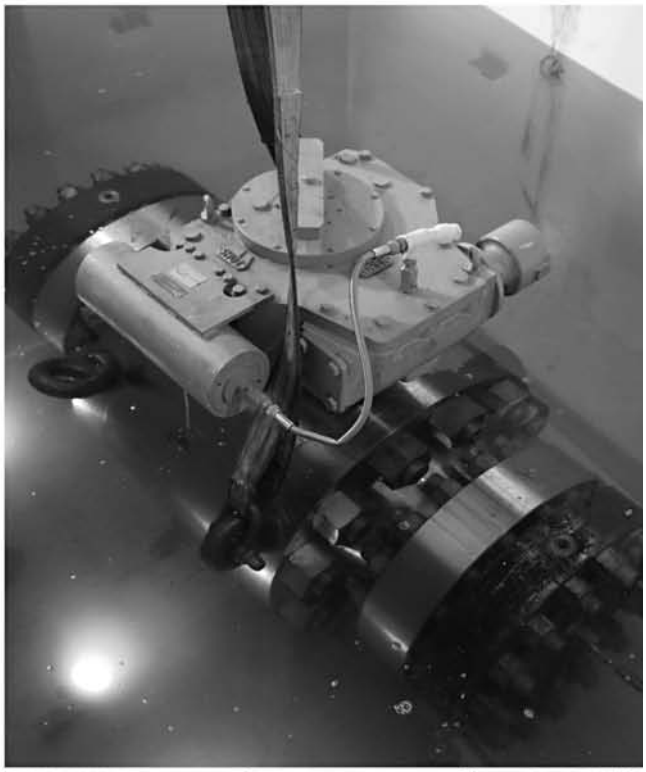
Carbon Steel, Stainless Steel, Duplex and Super Duplex Stainless Steels, Inconel, Hasteloy and Titanium.

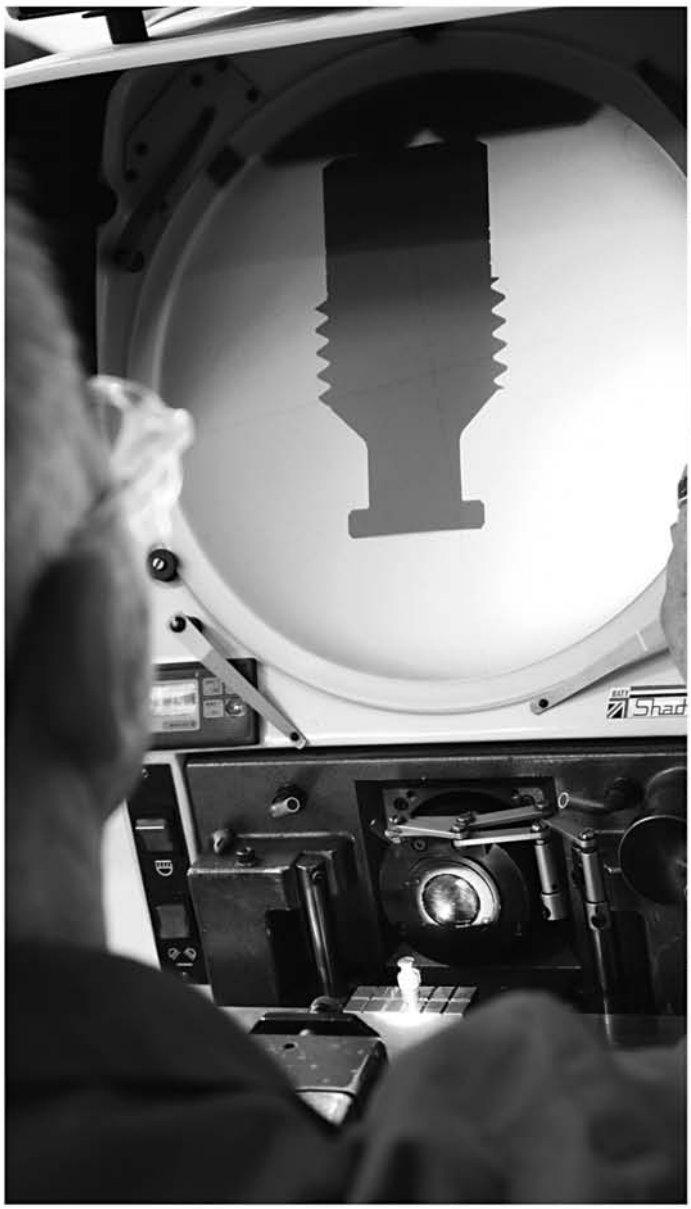
Testing Facilities

Wide Ranging and Dedicated Assembly and Testing Facilities.

Safety is always Pacson's first concern, and all pressure testing is carried out in safety cells. These are compliant with all current safety legislation and with the latest recommendations set out in the H.S.E. guidance note GS4, Safety in Pressure Testing. Each test cell is equipped with computerised data logging equipment for the continuous monitoring and performance analysis of the product being tested. Pacson Valves' test facilities also have the capability to operate multiple pressure-channel recording, including temperature, for total valve signature mapping.

Performance and qualification testing, API 6A PR2, environmental and hyperbaric testing can all be carried out on site with specialised testing equipment. Testing can be carried out up to pressures of 345 MPa (50,000 psi) and temperature ranges from -70 to 180°C.





PACSON valves

BALL VALVES: Single Isolation

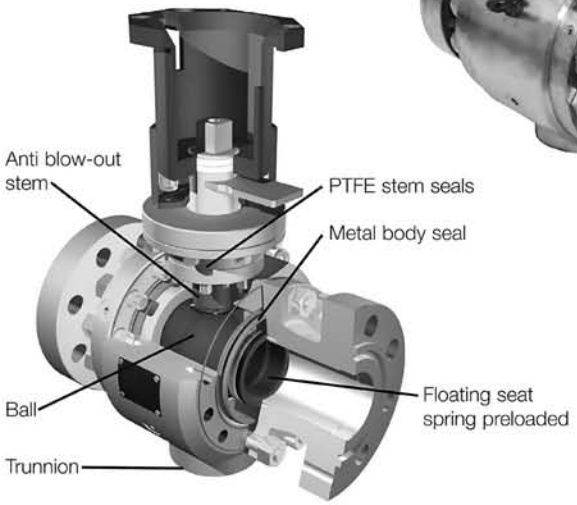
Product Features:

Onshore and offshore (subsea) options available
Top entry and side entry options
Bolted bonnet
Body cavity self relieving seats (Double piston effect seats optional)
Double barrier PTFE stem seals
Spring energized seats
Soft and metal seated options
Metal to metal static body seals
Floating and trunnion

BALL VALVES: Single Isolation

Design Benefits:

Full bore
Fail safe design
Anti blow out stem
Bi directional sealing
Compact design
Low operating torque
Double block and bleed (Single ball)
No lubrication and no maintenance required
High strength robust design
All end connection options available



BALL VALVES: Double Block and Bleed

Design Benefits:

3 independent valves in one body
Compact design
Lightweight
Improved pipeline security
Reduced costs
All end connection options available

NEEDLE VALVES: Single Isolation

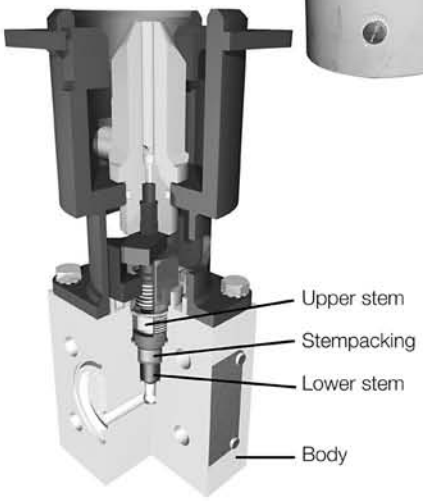
Product Features:

Onshore and offshore (subsea) options available
Non rotating stem
Bolted bonnet
Multi turn and 3/4 turn options
Double barrier PTFE stem seals and metal to metal
Clear position indication
Design Benefits
Full bore flow path
Fail safe design
Patented design
Compact design
Low operating torque
No lubrication and no maintenance required
High strength robust design
All end connection options available

NEEDLE VALVES: Double Block & Bleed

Product Features:

3 independent valves in one body
Compact design
Lightweight
Improved pipeline security
Reduced costs
All end connection options available
Pacson Unique Patented Design No - 2,304,175



PACSON valves

SLAB GATE: Manual actuated

Product Features:

Onshore and offshore (subsea) options available
Top entry and side entry options
Bolted bonnet
Through conduit
Double barrier PTFE stem seals
Spring energised seats
Metal to metal static body seals

SLAB GATE: Hydraulic actuated

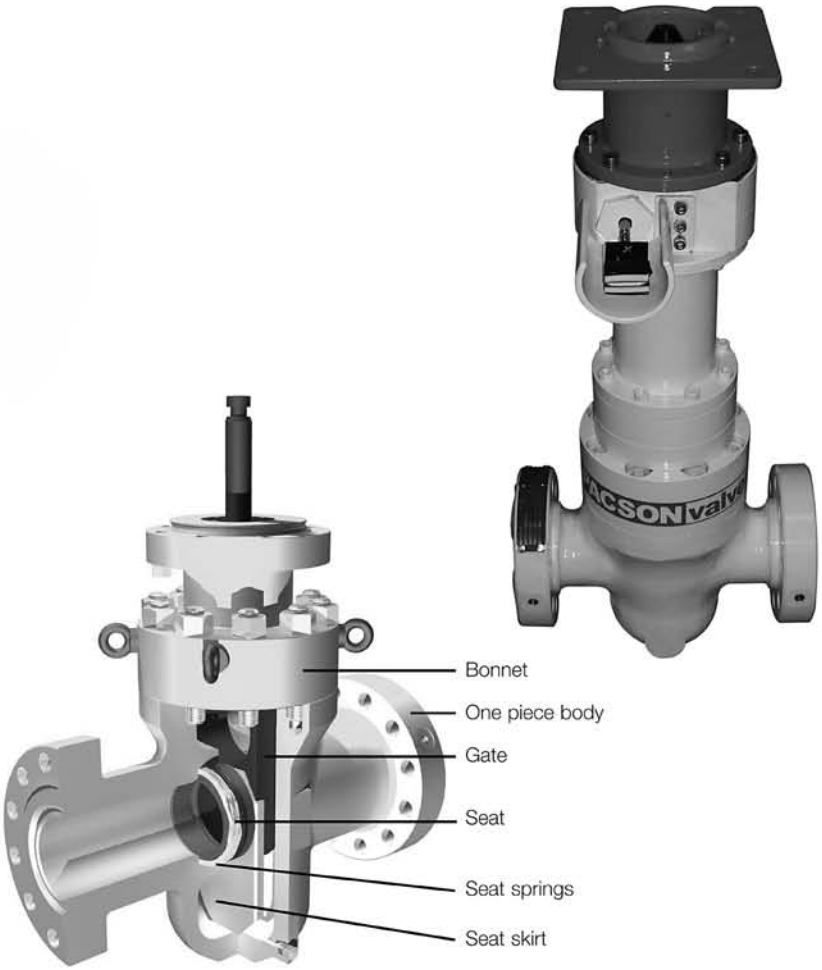
Product Features:

Onshore and offshore (subsea) options available
Top entry and side entry options
Bolted bonnet
Solid Slab
Double barrier PTFE stem seals
Spring energised seats
FSC/FSO/FAI Linear actuators
Metal to metal static body seals
Fully compensated
Direct mechanical position indication

SLAB GATE: Manual actuated

Design Benefits:

Full bore
Fail safe design
Bi directional sealing
Compact design
Low operating torque
No lubrication and no maintenance required
High strength robust design
All end connection options available
Double block and bleed (Single gate)



CHECK VALVES: Swing

Product Features:

Onshore and offshore (subsea) options available
Bolted bonnet
Soft and metal seated options
Metal to metal static body seals
Non slam
Lockable open

Design Benefits:

Full bore
Compact design
No lubrication and no maintenance required
High strength robust design
All end connection options available
Piggable

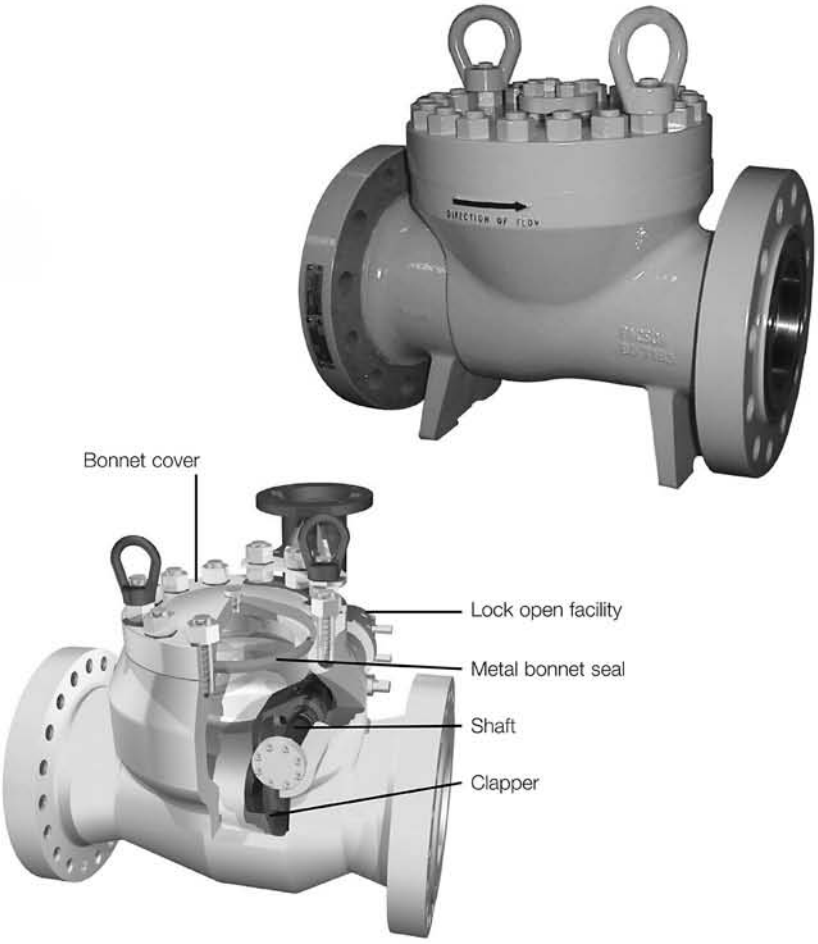
CHECK VALVES: Inline piston

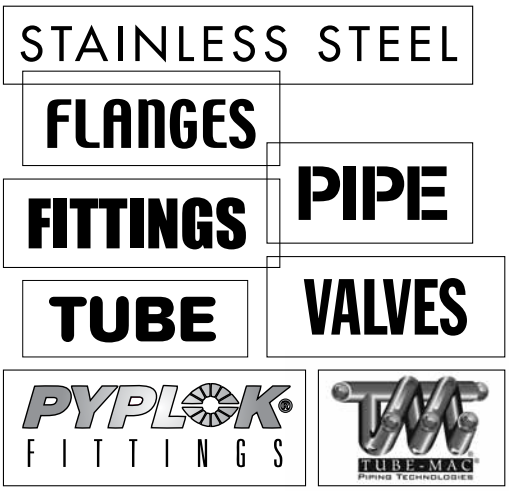
Product Features:

Onshore & offshore (subsea) options available
Soft and metal seated options
Metal to metal static body seals
Non slam
Lockable open

Design Benefits:

Full bore flow path
Compact design
No lubrication and no maintenance required
High strength robust design
All end connection options available
Piggable

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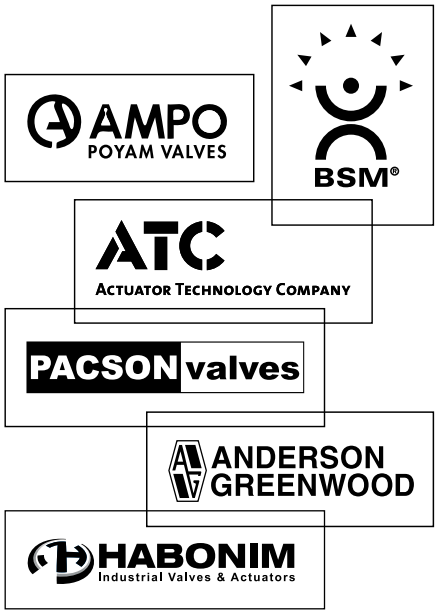
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FOR FURTHER DETAILS PLEASE CONTACT YOUR LOCAL PROCHEM OFFICE

ADELAIDE
3A CB Fisher Drive, CAVAN
South Australia
Australia 5094
Telephone 61-8-8241 7633
Facsimile 61-8-8241 7644
Email sales@prochem.com.au

BRISBANE
1-5 Kingsbury Street
Brendale, Queensland
Australia 4500
Telephone 61-7-3265 2711
Facsimile 61-7-3265 7430
sales@prochem.com.au

HOBART
96-98 Central Avenue
Derwent Park, Tasmania
Australia 7009
Telephone 61-3-6272 8828
Facsimile 61-3-6272 8688
Email sales@prochem.com.au

MELBOURNE
5-15 Ventura Place
Dandenong South, Victoria
Australia 3175
Telephone 61-3-9799 2244
Facsimile 61-3-9799 2255
Email sales@prochem.com.au

PERTH
6 Forge Street
Welshpool, Western Australia
Australia 6106
Telephone 61-8-9458 7777
Facsimile 61-8-9351 8170
Email sales@prochem.com.au

SYDNEY
30 Enterprise Circuit
Prestons, New South Wales
Australia 2170
Telephone 61-2-9727 0044
Facsimile 61-2-9728 6766
Email sales@prochem.com.au

NEW ZEALAND
560 Arthur Porter Drive
Te Rapa Gateway
Hamilton, Waikato, 3200
Telephone 64-7-444 5458
Email nzlsales@prochemgroup.co.nz

www.prochem.com.au | 1300 287 777 | sales@prochem.com.au