

PROCHEM

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INSTRUMENTATION CLASSIC FILTERS



PIPING PRODUCTS



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HYDRAULIC



A **REN** COMPANY

Classic Filters

Classic Filters manufacture bonded microfibre filter elements and associated filter housings. They are suitable for a variety of gas and liquid applications and are used in a wide range of industries around the world.

Our disposable microfibre filter elements are extremely efficient as well as being low cost. There are a number of benefits with this type of element and they offer high flow rates with very low pressure drops.

All products conform to industry standard sizes and grades, being completely interchangeable with other manufacturers' filter housings and elements. As well as the disposable type elements we also have a range of stainless steel and PTFE elements available.

The comprehensive product range enables a greater flexibility for customers because of the wider choice of standard designs. The development of new products is customer driven and our engineers work closely with OEM customers and end-users.

Special housings and filter elements designed and produced in-line with customer requirements and specifications are always available.

Prochem is the appointed Australian and Singaporean distributor and are here to find a solution to your filtration problem.



FILTRATION APPLICATIONS

Our filter housings and elements are suitable for a wide range of liquid and gas applications for particulate and coalescing.

Housings are available in a selection of materials to provide a solution for the most demanding applications. Materials including 316L Stainless Steel, Aluminium, PTFE, Nylon, Polypropylene, PVDF, as well as exotic materials such as Monel®, Hastelloy®, Titanium and Inconel®.

Coalescing Filtration

Coalescing is the separation of liquid aerosols and droplets from a gas. Using a coalescing filter element installed in a housing with three ports the wet gas sample passes through element inside to outside.

The inner capture layer is a high efficiency coalescing layer and the outer a coarser drainage layer. Coalescing filter elements will also remove particulates at the same efficiency as particulate filter elements of the same grade.

Housings are available with a variety of drain port sizes and physical dimensions to maximise service life.

Particulate Filtration

Particulates are removed from gases and liquids using a two port in-line filter housing and particulate type filter element. The liquid or gas flows through the element from the outside to the inside to maximise the service life.

Using the same particulate filter elements in a housing with a single port, solids are removed from liquids and gases in end of line applications.



Fast Loop & Bypass

Bypass or Fast Loop installations are used to minimise the time delay in sample systems. A relatively high flow is used to get the sample close to the analyser and then the low flow sample is split using the filter housing with the rest of the flow being returned to the process.



Traditionally bypass applications used a three port T-shaped housing, however the Fast Loop style housings allow a continuous flushing of the filter element and greatly increases the service life and reduces the internal volume of the system.

PTFE Porous Membranes

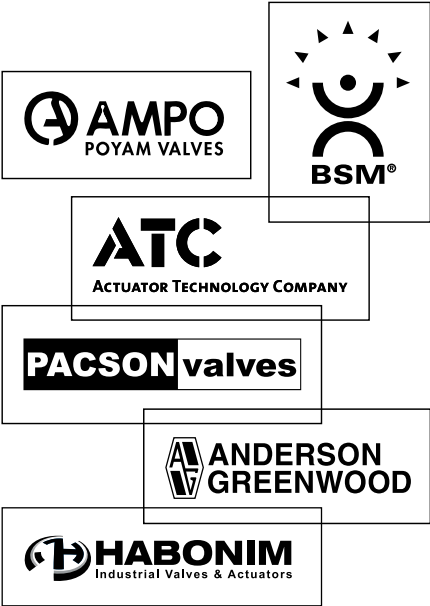
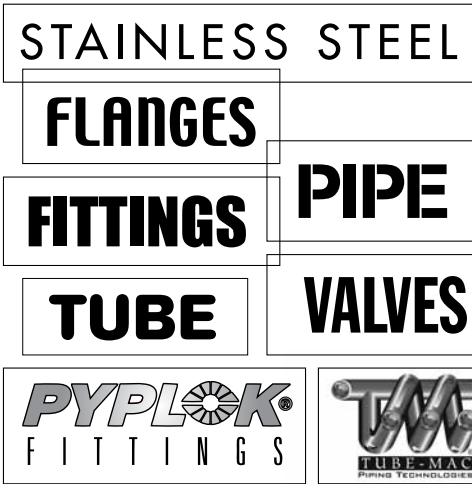
PTFE membrane housings are designed to remove liquids from a gas. The porous PTFE membrane will only allow molecules of gas or vapour to pass through it and so all liquid is stopped.

They are suitable for sampling systems and applications to protect analysers and other instruments.



Monel, Hastelloy and Inconel are registered trademarks.







A **pen** company

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

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

PERTH

6 Forge Street
Welshpool, Western Australia
Australia 6106
Telephone 61-8-9458 7777
Facsimile 61-8-9351 8170
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

BRISBANE

1-5 Kingsbury Street
Brendale, Queensland
Australia 4500
Telephone 61-7-3265 2711
Facsimile 61-7-3265 7430
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

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

www.prochem.com.au | [1300 287 777](tel:1300287777) | sales@prochem.com.au