

## WHY USE ProAir FILTER VESSELS ?

- High flow designs with low pressure drop. All interiors are electropolished and external surfaces are polished mechanically. Alternative surface finishes are available to suit Applications.
- Wide range of industry standard connections.
- Customised fabrication.
- Integral steam and electrically heated options.
- Available in SS316L in single and multi element vessels. EPR body seals are supplied as standard. Viton and Silicone options are available.
- Maximum recommended operating pressure for -  
(1) Single Cartridge range is 10 kg/cm<sup>2</sup> (142 psig)  
(2) Multi cartridge range is 6 kg/cm<sup>2</sup> (85 psig).
- Maximum recommended operating temperature is 142 Deg. C (288 Deg. F)
- Design generally in accordance with ASME VIII Div 1.

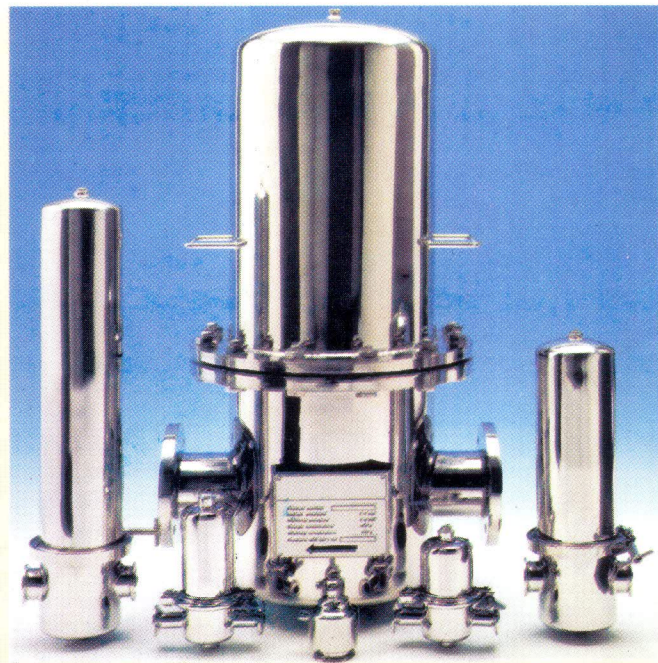
## ProAir GAS, AIR AND STEAM FILTER VESSELS

An extensive range of flow efficient vessels designed for the very latest generation of compressed air and gas filter cartridges with applications from the smallest scale to the largest industrial facilities.

The vessels are designed to optimize performance by ensuring low pressure drop using the following features :

- Plenum chamber for condensate drainage.
- Swept bends have been incorporated into the design to reduce operational differential pressure.

These design features contribute to continuous and effective gas sterilisation.



## VENT FILTERS

These filters are specially designed for all sterile and contained tank breathing operations.



## ProAir **SANITARY LIQUID FILTER VESSELS**

An extensive range of single and multi-element sanitary liquid filter vessels are available for critical applications where a sanitary, crevice free surface finish is required. They are particularly suitable for critical sterilization and stabilization applications within the pharmaceutical, fine chemical, beverage and other process industries.

These vessels incorporate a unique vent and drain valve design that is self-draining and easy to use even during steam sterilization. Integrity testing machines may be connected to the vessel with a quick release coupling. These units are designed to be in-situ steam sterilized or sanitized using standard procedures.



Sanitary tri-clamp connections are offered as standard. Other options are available on request..

## ProAir **INDUSTRIAL LIQUID FILTER VESSELS**

Industrial liquid filter vessels with single or multi elements are suitable for pre-filtration and clarification applications within the pharmaceutical, fine chemical, beverage and other process industries.

These vessels are particularly suitable for critical applications not requiring a sanitary surface finish, but needing a double 'O' ring cartridge or both ended open style cartridge location.

Single cartridge vessels are also suitable for industrial sterile air applications and small systems that are steam sterilised and a plastic vessel is unsuitable.

