

PORE FILTRATION

PVG GAS FILTER HOUSING RANGE

PVG Gas filter housings are suitable for all sterile compressed gas and venting applications.

The PVG range is designed for new or replacement gas filter applications that aim to remove all microorganisms, bacteria, spoilage organisms, phages, and viruses from gases that meet liquids, solutions, or solids prior to their packaging and preventing contamination is critical.

PVG housings include sanitary wide-bore inlet/outlet connections and internal swept bends to minimise housing differential pressure to improve running costs. A large phelum chamber were condensate is drained away from the cartridge avoiding filter blinding.

Typically used for gas flow rates up to 10,000m³/hr and operating pressures of 8 bar, as standard, up to 40 bar. Produced to accept industry standard SOE code 7 cartridges (2x226 O-ring/Spear).



TECHNICAL DETAILS

| | |
|--------------------------|--|
| Housing material | 316 Stainless Steel |
| Housing length | 5", 10", 20", 30" |
| No of cartridges housed | 1, 3, 5, 7, 12 |
| Typical flowrates | Up to 10,000 m ³ /hr |
| Inlet/outlet connections | ASME BPE, DIN 11851, Flanged, Butt weld, BSP, RJT |
| Drain/vent connections | ASME BPE, DIN 11851, Clamp |
| Cartridge mounting style | SOE - Code 7 |
| Closure type options | Clamp or double bolted clamp |
| Suitable for SIP | Yes |
| Surface finish options | Internal: Mechanical polish/Fine brushed |
| | External: Mirror polished |
| Design codes | PED, ATEX, ASME |
| Options | 1.) Steam jacketed for humidity control |
| | 2.) Bowl/head connections making them suitable for steam filtration applications |



TYPICAL APPLICATIONS

COMPRESSED GASES – AIR, NITROGEN,
CARBON DIOXIDE, OXYGEN
VENTING OF PRODUCT & STORAGE
TANKS
FERMENTATION INLET & OUTLET GAS
FILTRATION.

MORE FROM PORE FILTRATION:

Depth Filters – Pleated Depth Filters – Membrane filters – Carbon filters – Bag Filters – St.St. Filters – Basket Filters – Strainers – Hygienic & Industrial liquid housings – Gas housings

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