

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 condensate is drained away from the cartridge avoiding filter blinding.

Typically used for gas flow rates up to 10,000 m³/hr and as standard for pressure ranges of 8 bar through to 40 bar. As standard produced to except 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

USED IN ALL CRITICAL GAS APPLICATIONS SUCH AS FINAL, STERILE OR POINT OF USE APPLICATIONS WITH SUREPORE GAS PTFE MEMBRANES. ALSO SUITABLE FOR PREFILTRATION DUTIES PRIOR TO STERILIZING MEMBRANES OR SIP PROCEDURES WILL BE PERFORMED.

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