

HVL-AG HIGH EFFICIENCY POCKET FILTER

INTRODUCTION

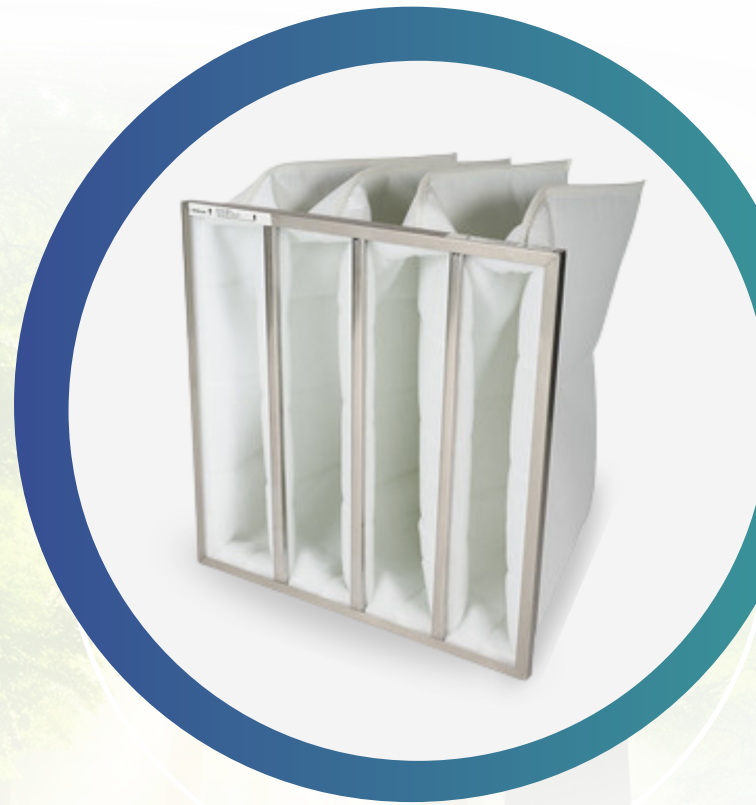
The Airguard HVL-AG was initially designed for gas turbine air intake systems. HVL-AG provides an exceptional level of protection for turbines located in offshore and coastal environments. The filter is optimised to operate at high velocities in wet or dry conditions.

CONSTRUCTION

The individual filter pockets have a two-stage construction. The first stage is a high-loft pre-filter mat with a high dust loading capacity. The second stage is a nonwoven needlefelt polyester filter media with high efficiency characteristics. The core is then retained in a robust stainless-steel frame. All stainless construction is available. Filters can be supplied with adjoining clips and seals.

OTHER MANUFACTURERS EQUIVALENTS

Suitable for Altair System 2,
Altair Neptune, Altair Vega. Parker
Hannifin / Altair Parts No's:
HVL/00037F, HVL/000106F



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FEATURES AND BENEFITS

- Low Pressure Drop to Help Optimise Turbine Output
- Reduce Salt Ingress to Minimise Turbine Corrosion
- Withstands High Velocities
- Improved Fuel Efficiency
- High Efficiency Against Salt Aerosol
- Two-Stage Construction for High Dust Loading and Efficiency
- Wide Range of Operating Temperatures (to 80 degrees Celsius)
- Cleanable to Restore Original Efficiency and Pressure Loss
- Unaffected by Humidity
- Easily Recyclable
- Interchangeable With Manufacturers Makes

TECHNICAL SPECIFICATION

- 100% Silicone Free Synthetic Media
- Non-Shedding Bonded Polyester
- UL Class 1 and Self-Extinguishing According to DIN 53438 – F1
- Dust Holding Capacity for 1m/s 650 GMS
- 95% Efficient up to 5 Micron
- Stainless Steel Frame Available 22mm
- Standard and Non-Standard Sizes Available
- Adjoining Clips Fitted if Required
- Factory Fitted Seals Available

TYPICAL APPLICATIONS

- Gas Turbine Ventilation System
- Industrial Applications
- Platform HVAC Filtration
- Marine Propulsion

Performance Details

Micron	10	5	4	3	2
@ 3 m/s	99.99	99.98	99.89	99.40	96.30
@ 6 m/s	99.99	99.86	99.52	98.30	93.00
@ 8 m/s	99.99	99.73	99.40	98.20	94.70

Pressure Loss

Face Velocity m/s	2	3	6	9
Pressure Loss Pa	30	64	230	480

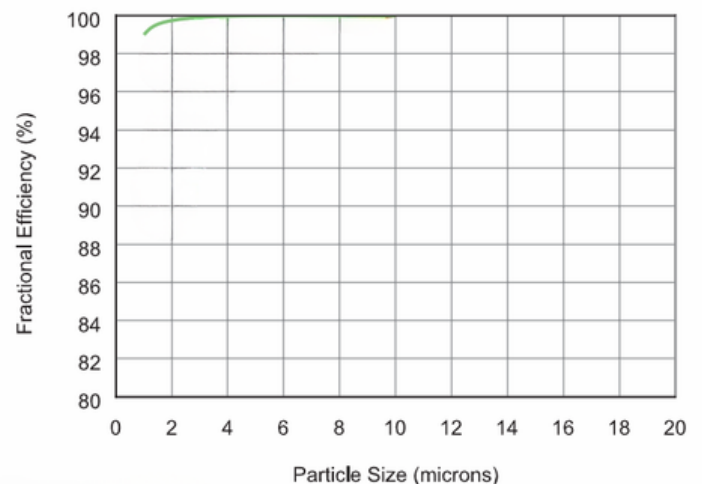
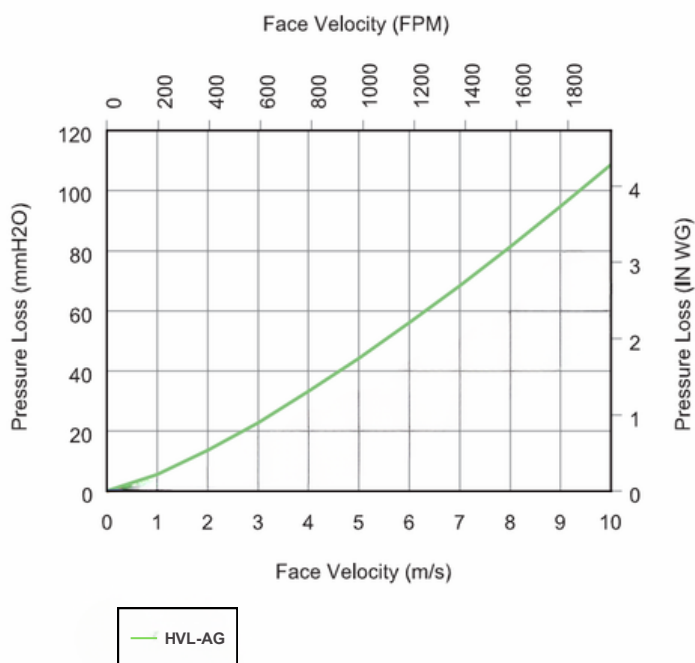
Dust Holding Capacity

6 m/s	6500 grams
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Capacity

Velocity m/s	Capacity m ³ /h
1.5	1950
9.0	11,500

NOTE: The Standard Filter Size is 597 x 597 x 610 mm deep | 3 Pocket | 22 mm Header | **Altair Part No HVL00037F**



HVL-AG Fractional Efficiency	0.35 micron	1 micron	2 micron	4 micron and above
	65%	99%	99.6%	100%