

HVX-AG HIGH EFFICIENCY POCKET FILTER

INTRODUCTION

The Airguard HVX-AG was initially designed for gas turbine air intake systems. HVX-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 four filter pockets have a two-stage construction. The first stage is a high-loft nonwoven filter mat, which provides a high dust-loading capacity. The second stage is 100% polypropylene lofted media, which is ultrasonically welded into a polypropylene carrier on the downstream side to offer a high-efficiency filter. This two-stage construction results in lower initial air resistance and higher dust holding capacity.

OTHER MANUFACTURERS EQUIVALENTS

Suitable for Altair System 2, Altair Neptune, Altair Vega, Parker Hannifin / Altair Parts No's: HVX/001060F, HVX/000101F, HVX/000038F, HVX/002977F



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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
- It can be used with Pre Filter PBR, PBRH, PFA, PFAH
- 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
- In heavily contaminated environments, a high-efficiency filter with PBR, PBRH, PFA, and PFAH pre-filter pockets can be used.

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 4 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

Initial Efficiency

NaCl	Target Value
0.5um	60 - 70 %

Pressure Loss

Face Velocity m/s	0.15
Pressure Loss Pa	60-70%

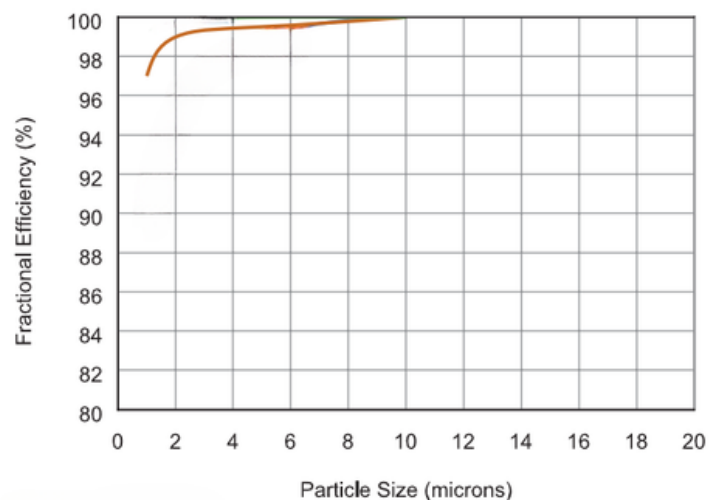
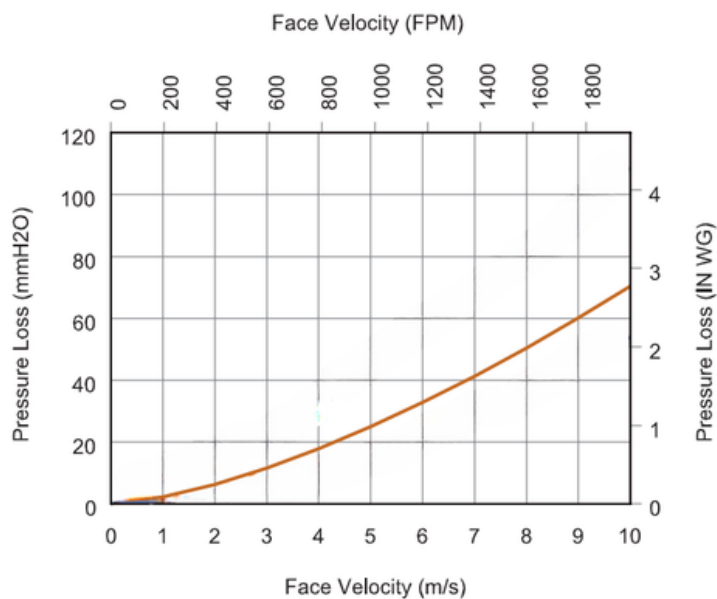
Dust Holding Capacity

Face Velocity m/s	0.15
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NOTE: The Standard Filter Size is 580 x 620 x 725 mm deep | 4 Pocket | 22 mm Header

Performance Data:

Gravimetric efficiency (arrestance) vs. ASHRAE test dust	99%
Salt output vs. NGTE 30 knot aerosoll (efficiency)	0.00018 ppm



HVX-AG fractional efficiency	0.35 micron	1 micron	2 micron	4 micron and above
	65%	99%	99.6%	100%