

PB1P8-AG COALESCER PANEL

INTRODUCTION

The Airguard Envirocare PB1P8-AG coalescer panel is engineered for versatile use across various applications, including air conditioning systems, general ventilation, machinery air intakes, and engine room filtration. Designed to separate and remove moisture and airborne contaminants efficiently, this panel enhances overall system performance and protection.

CONSTRUCTIONS

The filter consists of a high-efficiency polyester mat between two layers of plastic-coated wire mesh, which is then pleated to give a corrugated effect. This increases the effective filter area and adds rigidity. The core is then retained in a robust stainless steel frame.

OTHER MANUFACTURERS EQUIVALENTS

Suitable for Altair System2, Altair Neptune, Altair Vega, Parker Hannifin/Altair Part No's:

PB1P8/005856F,	PB1P8/005858F,	PB1P8/005860F,
PB1P8/005862F,	PB1P8/005864F,	PB1P8/005866F,
PB1P8/005868F,	PB1P8/005872F,	PB1P8/005874F,
PB1P8/005876F,	PB1P8/005878F,	PB1P8/003812F



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FEATURES AND BENEFITS

- Low Pressure Drop at High Velocity
- Reduces Salt Ingress, typically 0.01 PPM
- Increased Engine Output/Power
- Improved Fuel Efficiency
- High Efficiency Against Salt Aerosol
- SRS Technology to Reduce Turbine Blade Corrosion (If used with)
- Cleanable to Restore Original Efficiency and Pressure Loss
- Easily Recyclable

TECHNICAL SPECIFICATION

- 100% Silicone Free Synthetic Media
- Class G4, EU4 EN779: 2002 /ASHRAE 52.2
- UL Class 1 and Self-Extinguishing According to DIN 53438 – F1
- Initial Arrestance: 87%
- Average Arrestance: 93%
- 99% Efficient up to 5 Micron
- Plastic Coated Metal Support Mesh
- V pleats to Increase Surface Area
- Stainless Steel Frame Available 22mm or 50mm Depths
- Standard and Non-Standard Sizes Available
- Can be supplied with adjoining clips and Seals

MAINTENANCE

The Airguard PB1P8-AG is easily cleaned using low-pressure cold water. If necessary, greasy contaminants can be removed by washing with non-ionic cleaning detergent and rinsing with fresh water. When cleaned correctly, the filter should be restored to its original efficiency and pressure loss.

TYPICAL APPLICATIONS

- Gas Turbine Ventilation System
- Diesel or Gas Engine Air Intake
- Platform HVAC Filtration
- Offshore Wind Turbine Ventilation

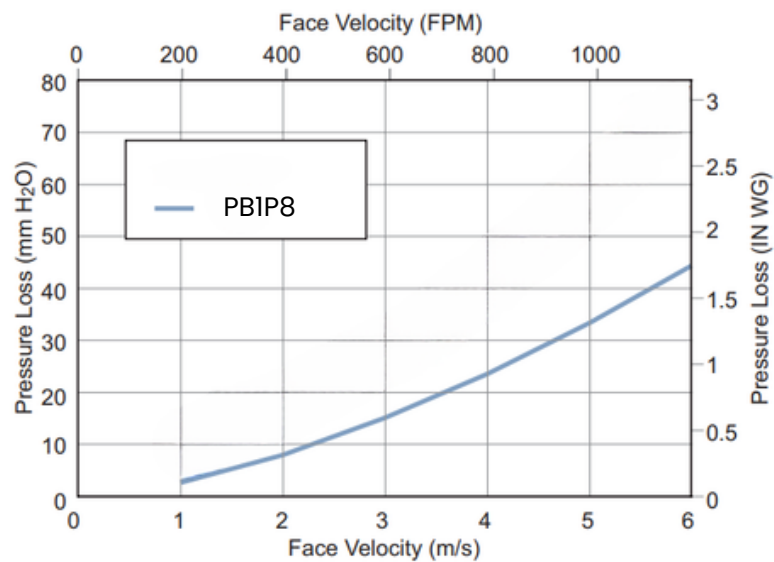
Performance Details

	PB1P8	PB1P8(50)
Gravimetric efficiency (arrestance) vs. ASHRAE test dust		
Average dust spot efficiency at 4 m/s (787 FPM)		
EN779:2002 rating†††	G4	G4
Salt removal efficiency (when used in SRS Technology* system)	>99%	>99%

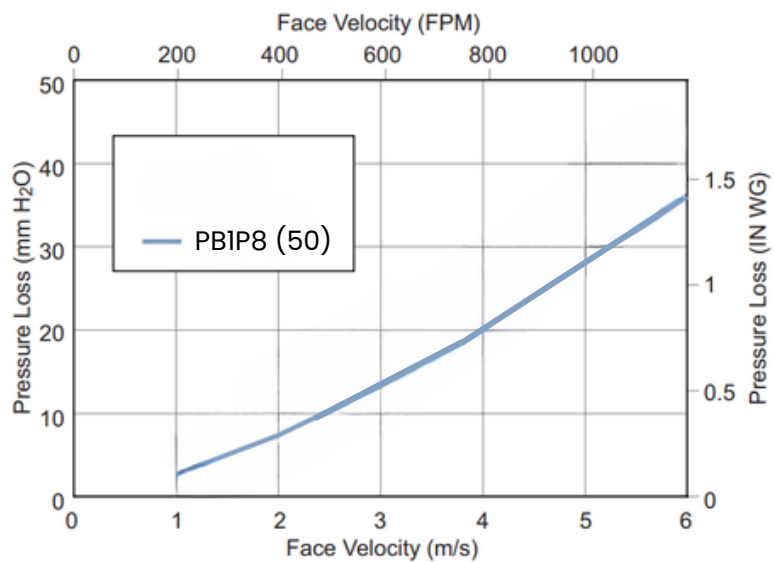
† At 4 m/s (787 FPM)

†† At 5 m/s (984 FPM)

††† MHE12 tested to EN779:1992 rating



Standard-depth filters



Extra-depth filters