

altair[®] PB1P, PB1P(50), 101NN, HE10, HE12 Panel Filters

The Parker Hannifin range of panel filters is designed for use in a wide variety of applications including air conditioning, general ventilation, machinery intakes, and engine room filtration systems.

Standard Depth – PB1P and 101NN

The **altair** PB1P filter is suitable for demanding environments—including deserts and offshore drilling platforms where turbines or other machinery are at risk from drilling dust or shot blast debris, and industrial areas with high levels of dust and other particulate.

The double-layer **altair** 101NN panel filter offers low pressure loss filtration for general industrial applications, even in wet and humid conditions.

Both panel filters can be easily removed and replaced to reduce system downtime.

Extra Depth – altair HE10, HE12 and PB1P(50) Panel Filters

The HE10 and HE12 high efficiency barrier panel filters are designed to offer increased protection against airborne water, salt spray, and dust for gas turbine or diesel engines operating in harsh offshore, coastal, and industrial environments. They are specially designed for long life, and can be cleaned and reused many more times than conventional filters.

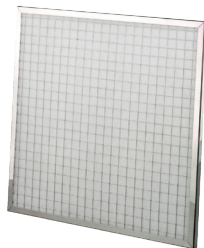
The PB1P(50) filter is a 50 mm (1.9") deep variant of the PB1P (see above).

Key Benefits

- High dust-holding capacity for longer intervals between change-out
- Low pressure loss can lead to increased engine power output and/or improved fuel efficiency
- Fully cleanable and reusable for maximum filter life
- Inert to most chemicals and will not shed fibers
- Quick and easy filter change-out helps reduce equipment downtime
- Wide range of operating temperatures to suit wide range of applications



altair PB1P



altair 101NN



altair HE10



altair HE12

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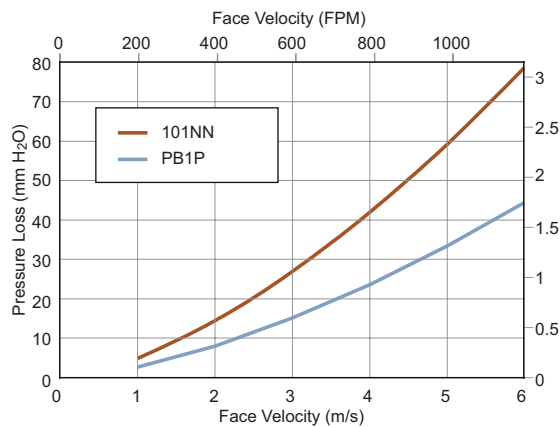
Performance Data

	101NN	HE10	PB1P	PB1P(50)	HE12
Gravimetric efficiency (arrestance) vs. ASHRAE test dust	77.5%†	99%†			
Average dust spot efficiency at 4 m/s (787 FPM)					42%
EN779:2002 rating††	G2	G4	G4	G4	F5
Salt removal efficiency (when used in SRS Technology* system)	NA	>99%	>99%	>99%	>99%

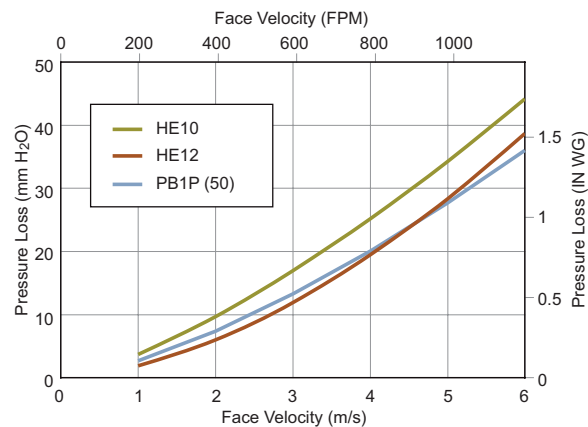
† At 4 m/s (787 FPM)

†† At 5 m/s (984 FPM)

††† MHE12 tested to EN779:1992 rating



Standard-depth filters



Extra-depth filters

Construction

The **altair** panel filters are made of a single or double layer of synthetic media combined with welded wire mesh held in a channel frame made of stainless steel or galvanised mild steel. Frames for the **altair** HE10 and HE12 filters are also available in aluminium alloy where weight is a restriction.

Maintenance

The **altair** panel filters should be cleaned or replaced, as appropriate, at a predetermined pressure loss. Dry dust is easily removed by inverting the filter and lightly beating the media, or by washing with water. Greasy contaminants can be removed by washing with the Parker Hannifin proprietary cleaning fluid and rinsing with fresh water. Filters should be dried and replaced noting the airflow direction as indicated on the filter frame. The **altair** HE10 and HE12 filters can be washed and reused up to 10 times before replacement, depending on operating conditions.