

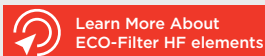
Inlet Filters for Centrifugal Compressors

ECO-Filter HF



Higher Purity, Higher Productivity

Lower your operating and maintenance costs while improving compressed air quality with the ECO-Filter HF.



The Benefits of ECO-Filter HF

The ECO-Filter HF designed specifically for centrifugal air compressors is a high-quality inlet filter element that provides reduced energy costs and longer on-stream life. The innovative two-stage design provides up to a 40% lower clean pressure drop, and up to an 89% higher dust

holding capacity, as compared to competitive air filtration products.

The integrated two-stage element also lowers cost by reducing changeouts and the number of elements needed to keep in stock.

Typical Properties

Polyurethane Gasket	Micro-fiberglass Filter Media	Polystyrene Frame
<ul style="list-style-type: none">• Integrated with filter frame• Highly pliable• Seamless• Ensures a leak-free seal	<ul style="list-style-type: none">• 99.97% removal efficiency at 2.0 micron• Increased dust hold capacity• 20" w.g. burst pressure rating• Reduced clean air pressure drop	<ul style="list-style-type: none">• Lightweight• No sharp edges• Corrosion resistant• Incinerable

ECO-Filter HF Technical Information

Specifications

Media (first stage)	Synthetic
Media (second stage)	Microglass fiber
Frame	PS (plastic)
Recommended maximum final pressure drop	4 inches w.g.
Operating temperature	176°F
Filter efficiency (first stage)	98.00% @10 micron
Filter efficiency (second stage)	99.97% @2 micron
Gasket	Moulded gasket (downstream)
Sealant	Polyurethane
Separators	Hot melt
Dust holding capacity	1,450 g
Burst pressure	Greater than 20 inches w.g.

ECO-Filter HF Performance						
Part Number	Nominal Dimensions			Weight lb (kg)	Air Flow (cfm)	Initial Pressure Drop inches w.g.
	Width in (mm)	Length in (mm)	Depth in (mm)			
AAP1400009-01800	19 (490)	19 (490)	17 (440)	18 (8.2)	1,700	0.8

CARE Maintenance Programs

Compressed air is critical to your operation. A proper maintenance strategy is crucial to avoiding unplanned, unbudgeted downtime and production interruptions. By choosing an Ingersoll Rand CARE maintenance service program – from full risk transfer to routine maintenance or parts coverage – you are investing in your future with a trusted global partner.



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