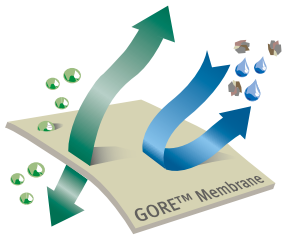
GORE® Turbine Filters

More Power, Less Wear

Cylindrical Filters – H12/E12

More Power

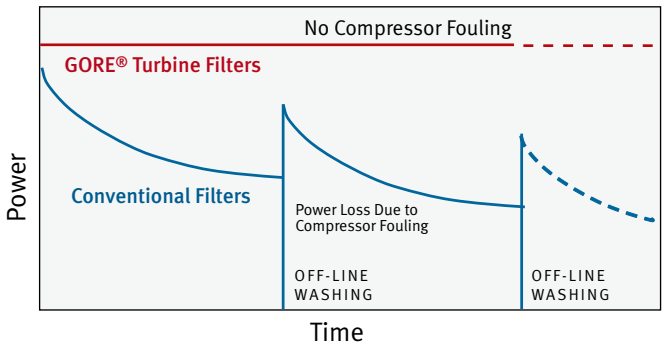
GORE® Turbine Filters optimize power output by eliminating performance reducing deposits in your compressor section. Their outstanding H12/E12 filtration efficiency keeps out at least 99.5 % of contaminants at the most penetrating particle size (~0.1 µm). This stops power losses while reducing your fuel consumption and associated CO_2 and NO_x emissions. Machine availability and reliability are also significantly increased because there is no need to stop the turbine for off-line compressor washing.

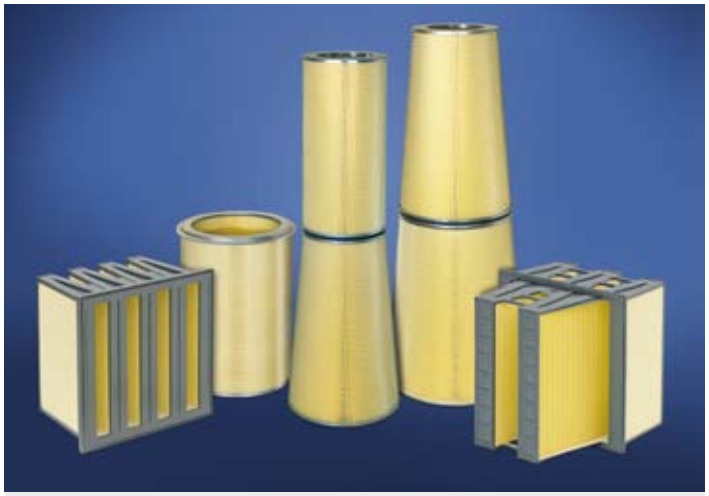


Less Wear

GORE® Turbine Filters significantly reduce your maintenance costs while increasing compressor and turbine lifetimes. Unlike current air intake filters, they capture at least 99.5 % of atmospheric particles, and have a unique patented filter media that is waterproof and provides reliable protection from corrosive salts. This reduces unexpected failures and major outages by preventing both fine and corrosive particulates from reaching the engine. GORE® Turbine Filters also directly replace your existing filters with no modifications required to filter housing.

Effect of Compressor Fouling on Power Output





Key Features

- › 99.5 % Filtration Efficiency at MPPS (H12/E12)
- Very Low Initial Pressure Drop
- Watertight and Salt Repellent
- High Burst Pressure

Key Benefits

- Higher Power Output
- Increased Turbine Availability
- No Filter House Modifications Required
- Less Fuel Costs
- Less Maintenance Costs

www.gore.com/turbinefilters

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Construction Materials

Filter Media	Fully synthetic composite with ePTFE membrane
Endcaps	Galvanized or stainless steel
In-/Outside Liner	Galvanized or stainless steel
Potting	Polyurethane
Gasket	EPDM rubber

Application Performance

Efficiency	H12/E12 according to EN 1822 Min. 99.5 % @ MPPS
Wet Burst Pressure	>7500 Pa (30" wc)
Initial Pressure Drop	130 – 150 Pa @ 1000 m^3/h (.52 – .60" wc @ 588 cfm)
Temperature Range	-40 °C to +65 °C (-40 °F to +149 °F)
Humidity Range	0 to 100 % relative humidity
Flame Retardance	E d2 according to EN 13501

Dimensions

Outside Diameter	323 mm (12.75")
Length	560 mm/660 mm/700 mm (22"/26"/27.5")

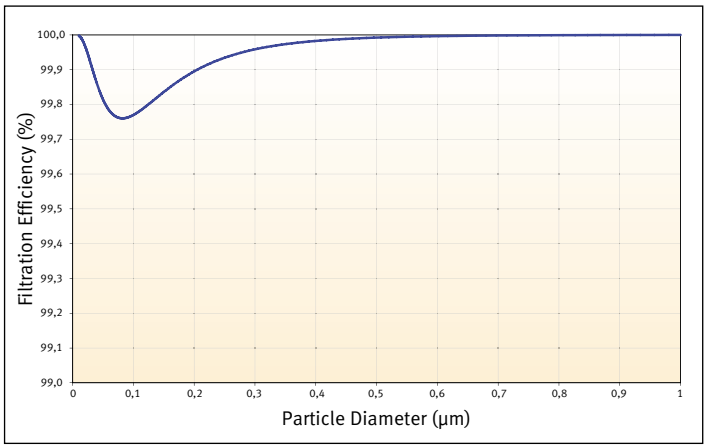
Other sizes available upon request.

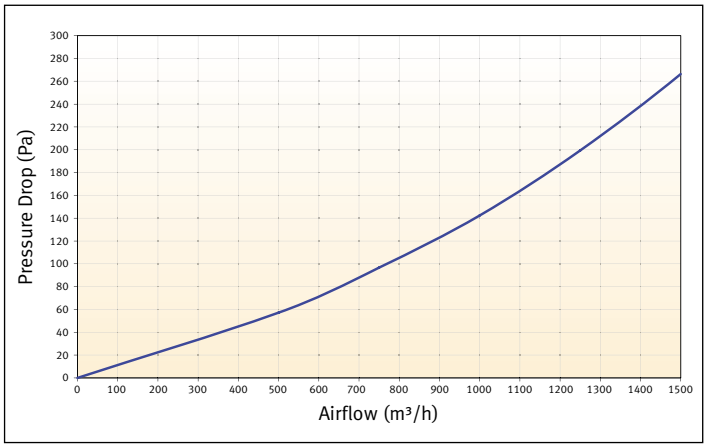
Direct replacement of most conventional filters with no modifications required to filter housing.

Operational Mode

Pulse cleanable and static

Highest Efficiency at Lowest Pressure Drop





All data expressed as typical values. Please contact W. L. Gore & Associates directly to confirm current information and to verify data for a specific part number. Specifications are subject to change.

Contact a Gore specialist for assistance in determining the appropriate GORE® Turbine Filter for your specific application.

FOR INDUSTRIAL USE ONLY.
Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

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IP-GTF/401A 03.10/GB