



GORE® Turbine Filters

More Power, Less Wear

Hydrophobic HEPA V-Panel Filters Maintain Clean Turbines

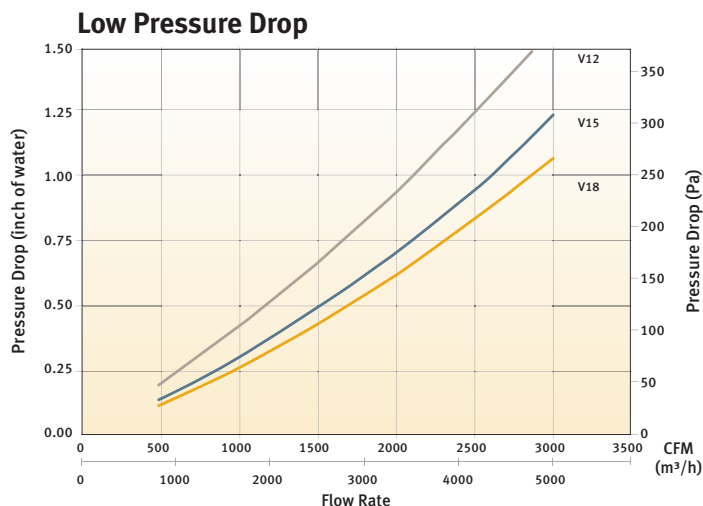
Maintain High Power Output

GORE® Turbine Filters provide filtration through use of a patented multi-layer construction to capture $\geq 99.5\%$ of all contaminants and block water ingestion. This eliminates power losses and maintains clean compressor efficiency.



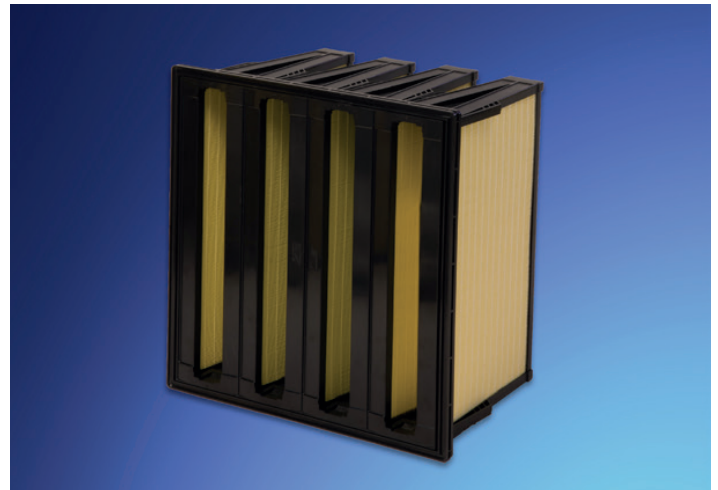
Eliminate Off-Line Washes

By capturing virtually all particulates, many users are able to eliminate shutdowns for water washing. This increases machine availability and reliability. Many turbines that use Gore filters have been running for tens of thousands of hours without the need to shut down for water washing.



Stop Salt and Water Ingress

1. Gore's high efficiency ($\geq 99.5\%$) multi-layer composite removes salt crystals and other submicron particulates from passing through the filter.
2. Gore's hydrophobic membrane blocks both water and dissolved salts from entering the compressor. This prevents corrosion damage which can contribute to unexpected failures and major outages.



KEY FEATURES

- E12 filtration efficiency ≥ 99.5 at MPPS
- Hydrophobic membrane prevents water ingress
- Stops penetration of particles and dissolved salts
- High burst pressure
- Proven lifetime
- Low initial pressure drop

KEY BENEFITS

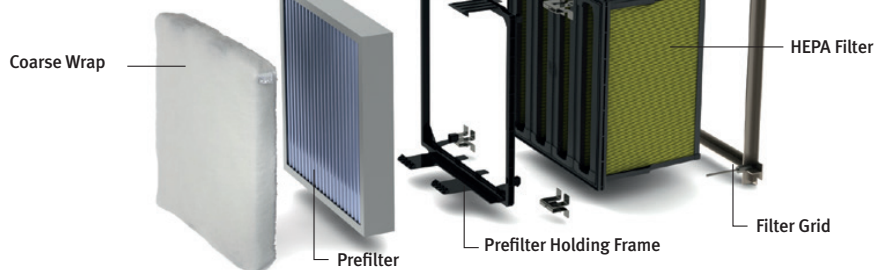
- Eliminates compressor fouling and associated power loss
- Reduces turbine wear
- Eliminates off-line water washings
- Maintains consistent low heat rate
- Reduces salt induced corrosion



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**Easy to Install Prefilter System
(no tools required)**



Construction Materials

Filter Media	Fully synthetic composite with ePTFE membrane
Filter Frame	High strength plastic
Potting	Polyurethane
Gasket	Polyurethane (FIP)

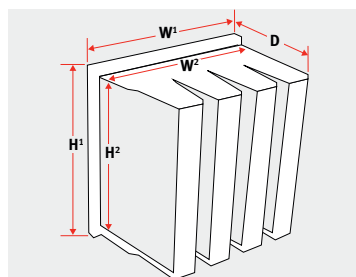
Application Performance

Efficiency	E12 according to EN 1822 Min. 99.5% @MPPS (Most Penetrating Particle Size)
Wet Burst Pressure	≥6250 Pa (25 in wg)
Initial Pressure Drop	
V12	235 Pa @ 3400 m3/h (0.94 in wg @ 2000 cfm)
V15	180 Pa @ 3400 m3/h (0.71 in wg @ 2000 cfm)
V18	155 Pa @ 3400 m3/h (0.62 in wg @ 2000 cfm)
Suggested Final Pressure Drop	1000 Pa (4.0 in wg)
Temperature Range	-40°C to +65°C (-40°F to +149°F)
Flame Retardant	Tested to UL900

Dimensions

	H1	H2	W1	W2	D
V12					
Part # TPV001	595 mm (23.4 in)	553 mm (21.8 in)	595 mm (23.4 in)	550 mm (21.7 in)	297 mm (11.7 in)
Part # TPV004	595 mm (23.4 in)	559 mm (22.0 in)	595 mm (23.4 in)	550 mm (21.7 in)	297 mm (11.7 in)
V15					
Part # TPV002	595 mm (23.4 in)	553 mm (21.8 in)	595 mm (23.4 in)	550 mm (21.7 in)	396 mm (15.6 in)
Part # TPV005	595 mm (23.4 in)	559 mm (22.0 in)	595 mm (23.4 in)	550 mm (21.7 in)	396 mm (15.6 in)
V18					
Part # TPV003	595 mm (23.4 in)	553 mm (21.8 in)	595 mm (23.4 in)	550 mm (21.7 in)	470 mm (18.5 in)
Part # TPV008	595 mm (23.4 in)	559 mm (22.0 in)	595 mm (23.4 in)	550 mm (21.7 in)	470 mm (18.5 in)

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



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 application engineer 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.

www.gore.com/turbinefilters
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