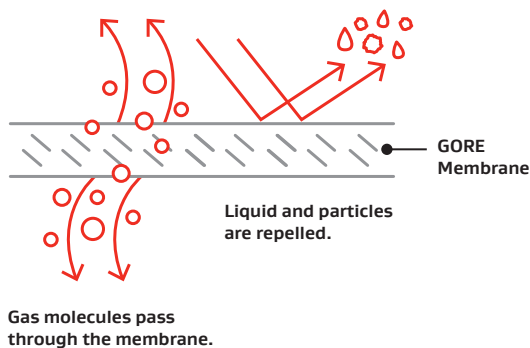


HYDROPHOBIC CONICAL & CYLINDRICAL E12 EPA/HEPA FILTER PAIRS

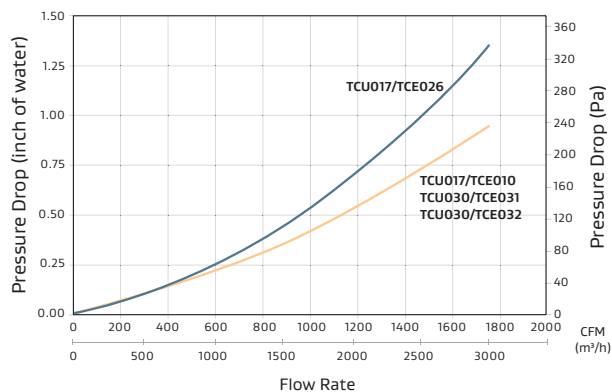
Maintain High Power Output

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 the majority of coarse and sub-micron particles, 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.



Key Features

- E12 filtration efficiency $\geq 99.5\%$ 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

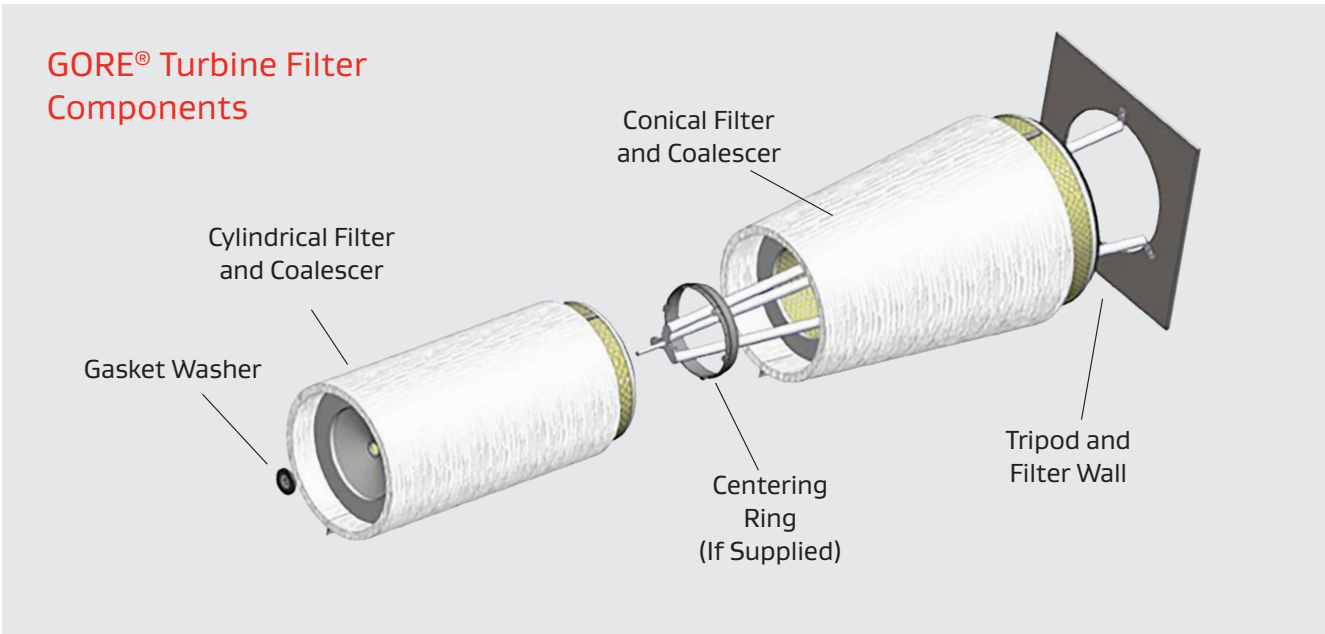
GORE® Turbine Filters
More Power, Less Wear

Stop Salt and Water Ingress

1.

Gore’s high efficiency (≥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.



Construction Materials

Filter Media	Fully synthetic composite with ePTFE membrane
Structural Components	Galvanized (ASTM A653) G60 standard, G90 available upon request
Specific Insulation Resistance	>100MΩ x km
Potting	Polyurethane
Gasket	EPDM rubber

Application Performance

Property	Value
Filter Efficiency	E12 according to EN 1822 Min. 99.5 % @ MPPS
Wet Burst Pressure	> 7500 Pa (30 in wg)
Initial Pressure Drop	
TCU017 / TCE010	180 Pa @ 2500 m3/h (0.72 in wg @ 1472 cfm)
TCU017 / TCE026	250 Pa @ 2500 m3/h (1.0 in wg @ 1472 cfm)
TCU030/TCE031	250pa@2500 m3/h (1.0 in wg @ 1472 cfm)
TCU030/TCE032	250pa@2500 m3/h (1.0 in wg @ 1472 cfm)
Recommended Maximum dP	1000 Pa (4 in wg)
Temperature Range	-40 °C to +65 °C (-40 °F to +149 °F)
Flame Retardance*	GORE Turbine Filters media are subjected to surface flame exposure (DIN53438-3). They are self-extinguishing and correspond to fire class Fl.

* Applicable for part numbers TCU030, TCE031 and TCE032.

Operational Mode

Static or pulse cleanable (for arctic or desert environments)

Dimensions

Part Number	Small OD	Large OD	Length
TCU017 (Cylindrical)	N/A	324 mm (12.75 in)	660 mm (26 in)
TCE010 (Conical)	324 mm (12.75 in)	445 mm (17.50 in)	660 mm (26 in)
TCE026 (Conical)	324 mm (12.75 in)	408 mm (16 in)	660 mm (26 in)
TCU030 (Cylindrical)	N/A	324 mm (12.75 in)	660 mm (26 in)
TCE031 (Conical)	324 mm (12.75 in)	445 mm (17.50 in)	660 mm (26 in)
TCE032 (Conical)	324 mm (12.75 in)	447 mm (17.60)	660 mm (26 in)

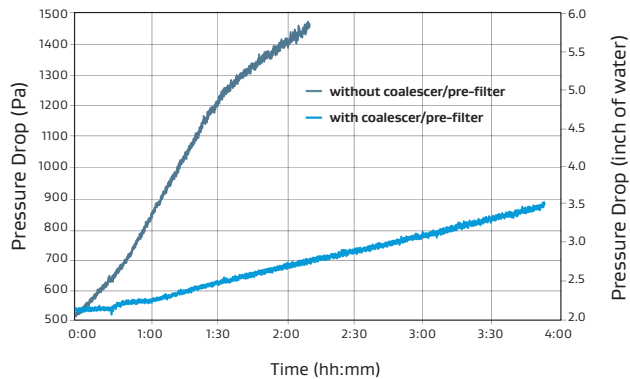
Direct replacement of most conventional filters with no modifications required to filter housing.

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.

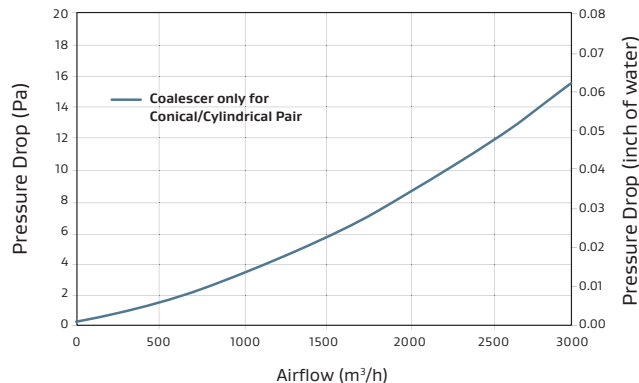
Cartridge Coalescer

Gore's coalescing pre-filters for moist environments extend the life and improve the performance of GORE Turbine Filters by coalescing water droplets and draining them away.

Loaded Final Filter During a Fog Event



Low pressure drop



Construction Materials

Media	Polyolefin
Media Thickness	20 mm (0.8")

Application Performance

Media Efficiency	G4 according to EN 779:2009
Initial Pressure Drop	12 Pa at 2500 m³/h (0.047" wc at 1472 cfm)
Temperature Range	-40 °C to +65 °C (-40 °F to +149 °F)
Humidity Range	0 to 100 % relative humidity
Flame Retardance	self-extinguishing FI according to ISO 53438

Operational Mode

Pulse cleanable and static
Keep coalescer installed at all times.

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

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Covered by the following patents: EP 16741441, US 7501003, US 8147583

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AMERICAS

W. L. Gore & Associates, Inc.
101 Lewisville Road,
Elkton, MD 21921 USA
T +1 410 392 3300

EUROPE

W. L. Gore & Associates GmbH
Hermann-Oberth-Str. 26
D-85640 Putzbrunn Germany
T +49 89 4612-2211

MIDDLE EAST

W. L. Gore & Associates GmbH
Middle East - Abu Dhabi
Al Wahda City Tower, 20th floor,
Royal Business Center
732 Hazza' Bin Zayed The First street, E19
Al Nahyan, Abu Dhabi UAE
T +971 2 5089444

E turbinefilters@wlgore.com
gore.com/turbinefilters

