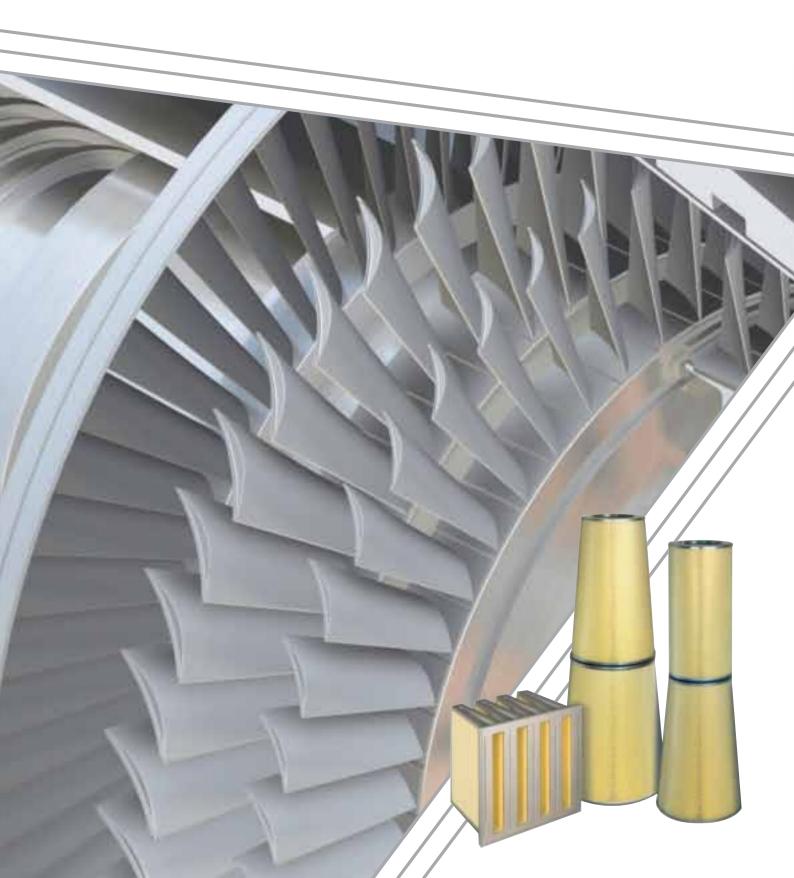
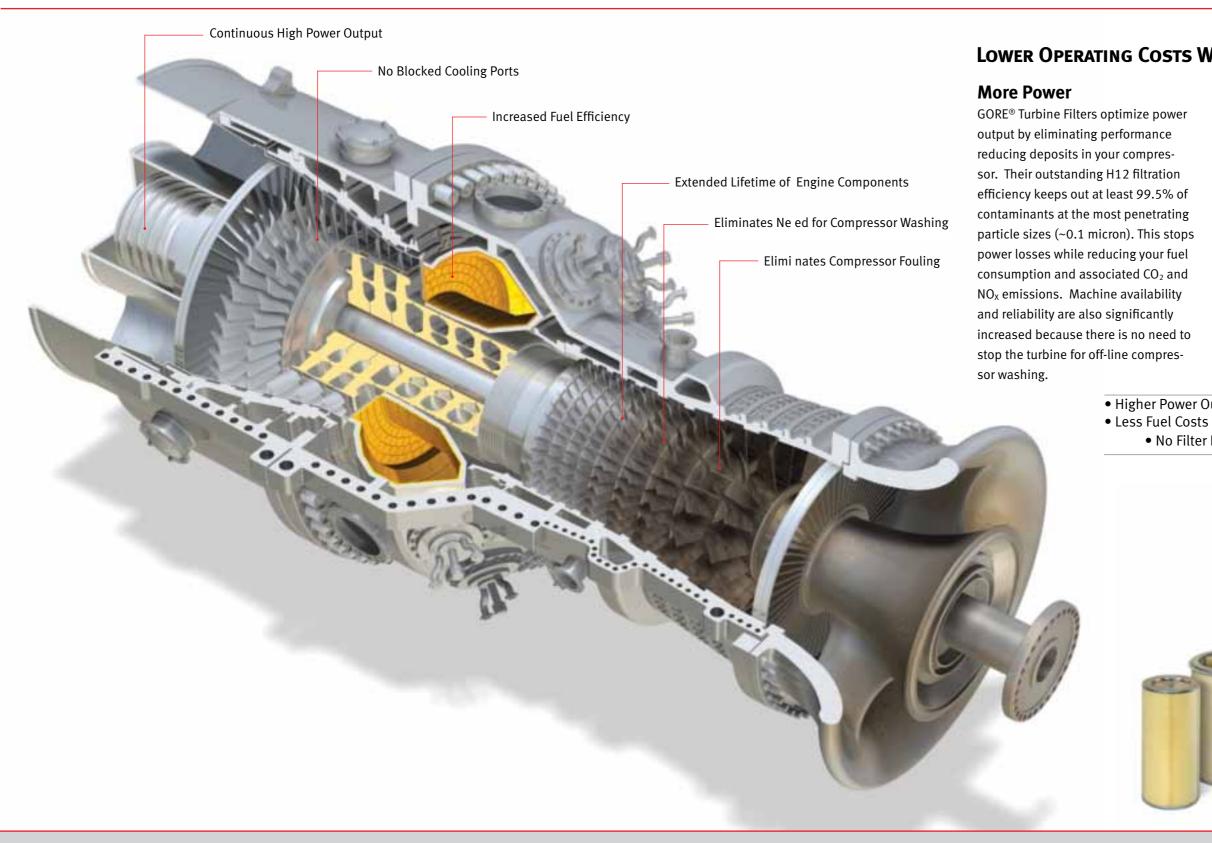


More Power, Less Wear





Increase power output by eliminating dirt and other contaminants from the turbine



More Power, Less Wear

LOWER OPERATING COSTS WHILE MAXIMIZING TURBINE RELIABILITY

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.

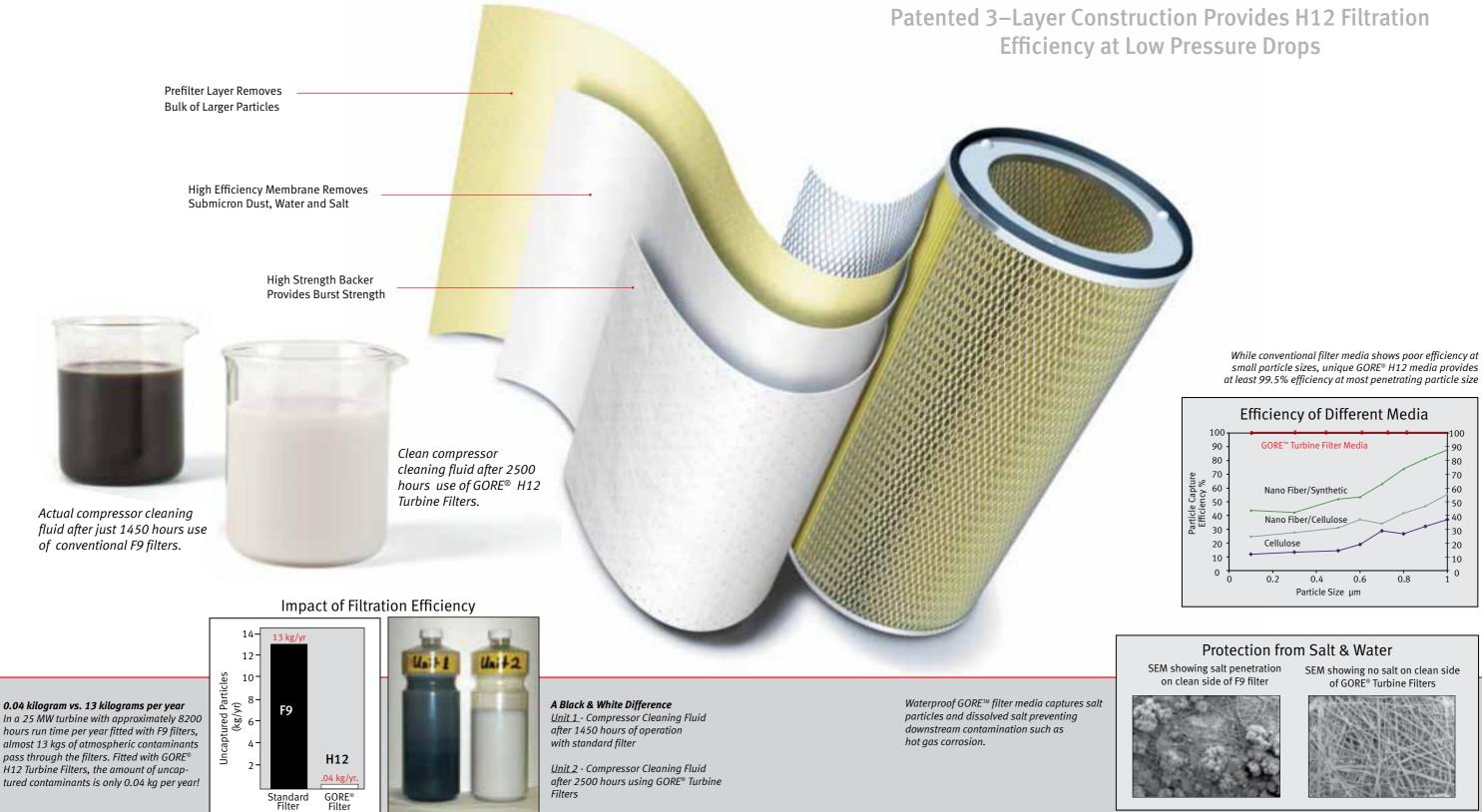
ECONOMIC BENEFITS

Higher Power Output
Less Fuel Costs
No Filter Housing Modifications Required





The Difference is Black & White!



While conventional filter media shows poor efficiency at small particle sizes, unique GORE® H12 media provides

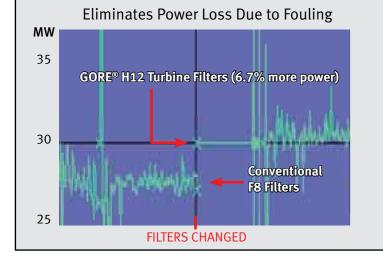


Applications Experience

Multi-Turbine Power Plant Value: Eliminated Power Loss

A power supplier with multiple gas turbines experienced significant power loss due to compressor fouling on virtually all machines. One of their 30 MW turbines had undergone a total overhaul prior to start up in October 2007 when conventional F8 filters were installed. Over the following months, the power output fell from 30 MW to ~28 MW as the compressor fouled. In February 2008 the turbine was shut down and underwent a thorough offline compressor wash. The intake filters were exchanged with GORE[®] Turbine Filters. Since then the power output is holding steady at the maximum level. No compressor washings have been required, when previously four cycles were carried out per year.

30 MW Turbine	Power Loss From Fouling
Standard Filters	6.7%
GORE [®] Turbine Filters	5 0



5 MW Turbine	Cleaning Interval
Standard Filter	Weekly
GORE [®] Turbine Filters	Eliminated

Heavy Dust and Fog Environment

Value: Eliminated Cleaning Shutdowns

fog. An incredible amount of dust was generated by the

manufacturing process and continuous heavy truck traf-

fic in the plant. The turbine had to be shut down weekly

installation of GORE® Turbine Filters (H12) the machine

could be left running at maximum performance without

any shutdowns for offline cleaning. Despite the high

fog environment the GORE® Turbine Filters achieved a

similar lifetime as the previously installed F8 filters.

A ceramics plant was situated in an area with heavy

to perform offline compressor cleaning. Following

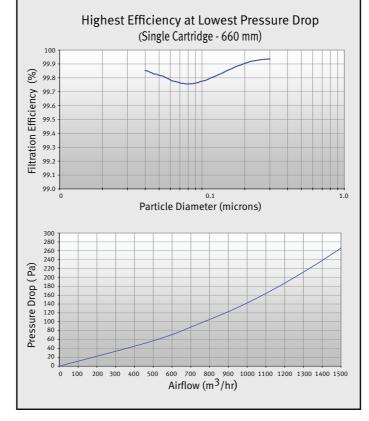
Eliminates Shutdown for Offline Cleaning



Technical Information

HEPA Filtration Without Filter House Modification

Turbine operators can now benefit from superior HEPA filtration without the need to modify the filter house. While other HEPA solutions require multiple filter stages and more filters in parallel to achieve an acceptable life of the fine filter, GORE® Turbine Filters provide both high filtration efficiency (H12) and low pressure drop without additional prefiltration stages. This enables a direct replacement of existing filters with no modifications required to the filter housing. GORE® Turbine Filters are also available in various standard dimensions.



Company Background

Best known for products like GORE-TEX® Fabric and GORE-TEX® Medical Devices, Gore is a leading manufacturer of thousands of advanced technology products for the electronics, industrial, fabrics and medical markets. The company is headquartered in Newark, Delaware, and employs over 8,000 associates at 45 facilities throughout the world including Asia Pacific, Australia, Europe, North America, and South America.

Since its inception in 1958, Gore has advanced the science of fluoropolymer technology. In 1969 Bob Gore invented expanded Polytetrafluoroethylene (ePTFE) launching hundreds of new products and three new divisions. Gore has repeatedly been named among the "100 Best Companies to Work For," and our culture is a model for contemporary organizations seeking growth by unleashing creativity and fostering teamwork.



/w.gore.com/turbinefilters





Worldwide Sales and Support

Contact Information

Americas

W. L. Gore & Associates, Inc. 101 Lewisville Road Elkton, MD 21921 Phone: +410 506 3300 Fax: +410 506 3494

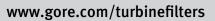
Europe

W. L. Gore & Associates GmbH Wernher-Von Braun-Strasse 18 D-85640 Putzbrunn Germany Phone: +49 89 4612-2211 Fax: +49 89 4612-2302

Middle East

W. L. Gore & Associates GmbH Middle East P.O. Box 11 44 70 Abu Dhabi UAE Phone: +971 2 4437749 Fax: +971 2 4437748

W. L. Gore & Associates 101 Lewisville Road, Elkton, MD 21921 Tel: 410-506-3300 Fax: 410-398-6624 E-mail: turbinefilters@wlgore.com



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