



Donaldson®
FILTRATION SOLUTIONS

TURBO-TEK™
LINE OF (H)EPA FILTRATION

Gas Turbine Systems

TRUSTED BY TURBINES
PREFERRED BY EXPERTS™



**PREMIUM EFFICIENCY (H)EPA FILTRATION FOR TODAY'S
MOST CHALLENGING ENVIRONMENTS**

PREMIUM PERFORMANCE FOR ULTIMATE PROTECTION

Donaldson's Turbo-Tek™ line of (H)EPA filters are constructed from premium composite filter media assemblies that deliver (H)EPA filtration efficiency. All are durable, pulsable, and moisture-resistant. The construction of the filter media is engineered to maximize capacity while minimizing operating restriction throughout the life of the filter element.

FEATURES AND BENEFITS

- Rated E10-E12 (EN1822) and MERV16 efficiency
- Ultra-high efficiencies capture particles in the submicron size range, which virtually eliminates compressor blade fouling, resulting in stable power output and lower turbine maintenance costs throughout the life of the filter element
- For the water-tight options, the filters block water droplets from passing through the media, which prevents salts and other corrosive water-soluble contaminants from reaching the turbine
- Extremely durable, resistant to burst pressures that exceed OEM requirements
- Best value available for (H)EPA filters
- Each filter element pair includes EPDM gaskets, a new gasket washer, and a new retention nut to ensure a robust sealing system
- Donaldson's proprietary Pleatloc™ design ensures uniform pleat spacing and contributes to low operating restriction throughout the life of the filter elements



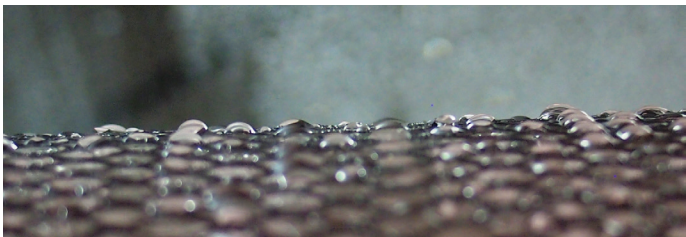
E12 (H)EPA TECHNOLOGY

Donaldson's Turbo-Tek H₂O+ is a proprietary, patented multi-layer media that provides a water-tight and salt repellent barrier for harsh coastal environments. The depth-loading media captures and distributes dust particles throughout the media providing a lower initial pressure drop, extend life, and fuel savings. Fully synthetic substrate offers industry leading burst strength. (H)EPA class filtration eliminates 99.5% of contaminants, virtually eliminating the need for on-line water washes.

PERFORMANCE DATA

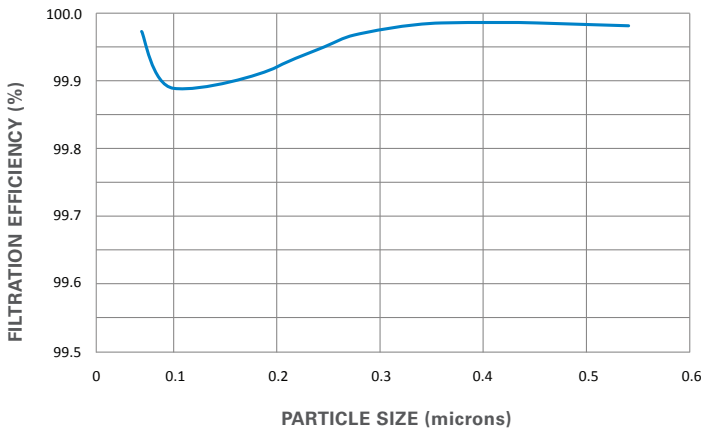
EN1822 Rating..... E12
ASHRAE 52.2 Rating..... MERV 16

WATER DELUGE TEST



Water droplets coalescing on the Turbo-Tek H₂O+ filter.

EFFICIENCY VS. PARTICLE SIZE





E11 (H)EPA TECHNOLOGY

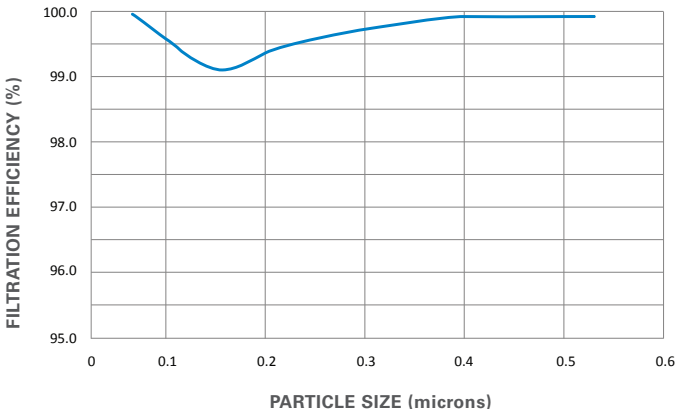
Donaldson’s Turbo-Tek ECO filter media delivers over 95% efficiency on sub-micron particles, virtually eliminating compressor fouling. It is a highly durable, moisture resistant, and pulsable filter for environments that encounter moderate moisture. The media and filter design maximize loading capabilities to ensure uniform and predictable performance.

PERFORMANCE DATA

EN1822 RatingE11
ASHRAE 52.2 Rating MERV 16



EFFICIENCY VS. PARTICLE SIZE

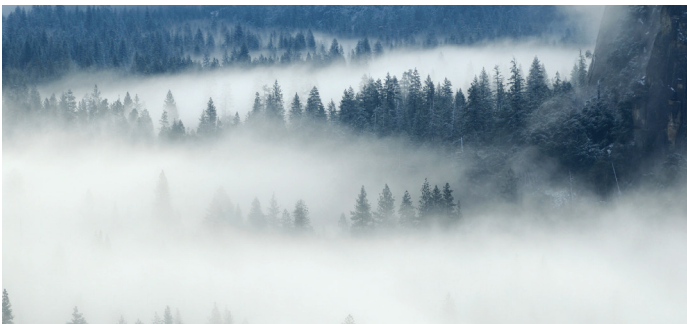


E10 (H)EPA TECHNOLOGY

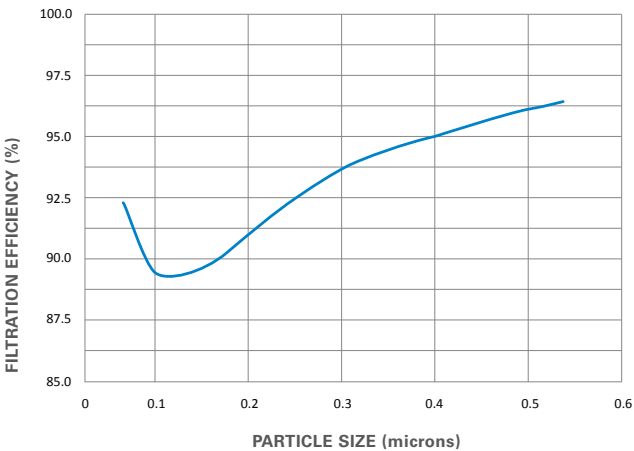
Donaldson’s Turbo-Tek H₂O water-tight media resists contaminant bypass caused by recurrent exposure to fog, moisture, and salt spray. The depth-loading media captures and distributes dust particles throughout the media providing a lower initial pressure drop, extend life, and fuel savings. Fully synthetic substrate offers industry leading burst strength. (H)EPA class filtration reduces turbine blade fouling, thus maintaining turbine power output efficiency.


PERFORMANCE DATA

EN1822 Equivalent RatingE10
ASHRAE 52.2 Rating MERV 16



EFFICIENCY VS. PARTICLE SIZE





Donaldson Gas Turbine Systems is the leading global provider of inlet air systems, replacement parts and technical services.

Global Support

- Facilities in 37 countries
- 40 manufacturing plants and 14 distribution centers

Leading Technology

- Inlet Filters
- Evaporative cooler media
- Ancillary parts & equipment
- Conversions, modifications, and upgrades

Experience and Service

- Retro-fit projects
- Filter replacement services
- Technical advisory services



Donaldson Company, Inc.
Gas Turbine Systems
P.O. Box 1299
Minneapolis, MN
55440-1299 U.S.A.

donaldson.com > Gas Turbine

North & South America
01-800-431-0555
filterinfo@donaldson.com

Europe, Mid-East, Africa, Israel
+32-16-38-3940
GTS-europe@donaldson.com

Asia Pacific
Main Office
gtssales.apac@donaldson.com

TRUSTED BY TURBINES. PREFERRED BY EXPERTS.™

© 2014 Printed in the U.S.A. on recycled paper. Information in this document is subject to change without notice. (10/14)