

DuraShield®

Performance Enhancement for Gas Turbines

| High Efficiency Canister

Conical and Cylindrical MERV 15/F9

Description

Every DuraShield filter is constructed from a proprietary, high-strength, polyester-reinforced medium with a nanofiber surface layer. Because of this reinforced outer layer, DuraShield filters offer exceptional burst strength and resistance to abrasion and the rigors of pulse cleaning. DuraShield's outer layer excels at surface loading, allowing for a combination of excellent filtration and superior dust release during pulse cycles.

Benefits

Low pressure drop

Protection doesn't come at the expense of performance.

Rated MERV 15/F9

For efficient filtration.

Smart design

Optimum pleat spacing and separation promote maximum filter life.

Increased pulse cleaning effectiveness

For longer useable filter life.

Nanofiber outer surface layer

For strength and durability, especially in rugged industrial environments.

High resistance to moisture

For protection in humid environments.

Tested and proven

Tested using ASHRAE 52.2 and EN779 test protocols.

Temperature tolerant

Rated to a maximum temperature of 170°F (76°C).

Compatible

Produced in a wide variety of sizes, DuraShield cartridge replacement filters are available for most manufacturers' inlet systems



- 1 | Long Service Life 2 | Low Resistance 3 | Reduced Lifecycle Cost

Product features

- Unique fiber technology does not erode or degrade over time, maintaining its high initial efficiency throughout the life of the filter
- Optimized media area for full media utilization and maximum lifetime
- High burst pressure that meets or exceeds original equipment manufacturers' standards modifications required

Applications

- Reverse pulse applications
- Land based gas turbines



BETTER AIR IS OUR BUSINESS®



GAS TURBINE
SOLUTIONS

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Performance Specification Data

Efficiency	MERV 15 / F9
Initial Pressure Drop	224 Pa at 1275 m³/hr (0.90" WG at 750 CFM) (26" long cylinder)
	199 Pa at 2770 m³/hr (0.80" at 1630 CFM) (cylinder / cone pair)
Burst Pressure	>6250 Pa (25" WG)
Temperature Range	-40°C to +80°C (-40°F to +176°F)

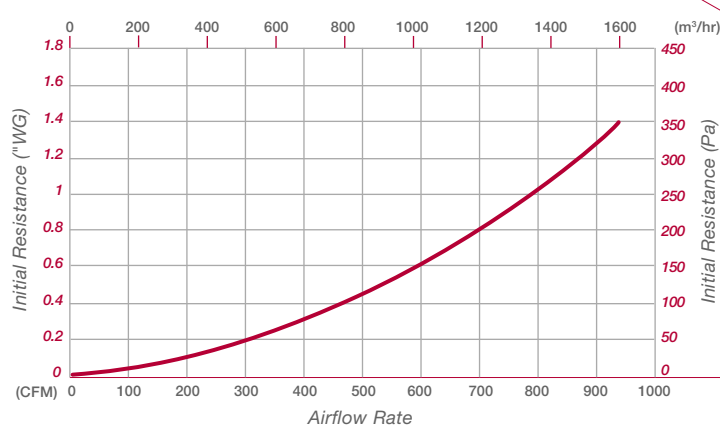
CONSTRUCTION

Filter Media	Blended substrate with nanofiber fine layer
Endcaps	Galvanized or stainless steel
In/Outside Liner	Galvanized (stainless steel available on request)
Potting	Polyurethane
Gasket	Polyisoprene

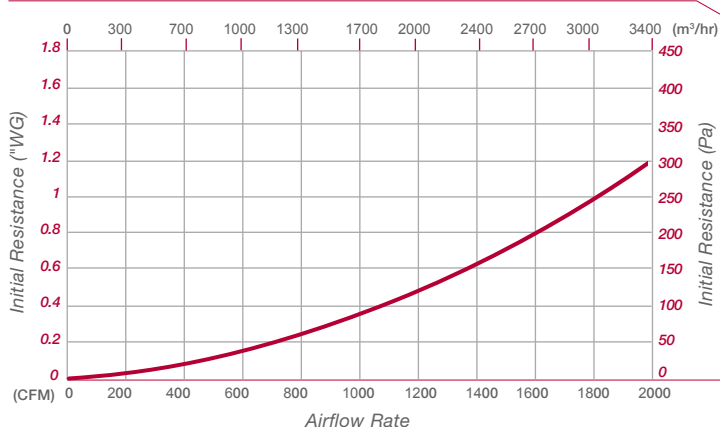
DIMENSIONS

	Conical	Cylindrical
Large Dia.	445mm (17.5")	323mm (12.75")
Small Dia.	323mm (12.75")	323mm (12.75")
Length	660mm (26.0")	660mm (26.0")

RESISTANCE CURVE - CYLINDER



RESISTANCE CURVE - CYLINDER/CONE PAIR



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