

clearcurrent® SP NanoPleat™ Cartridge Filter



Key Benefits

- Excellent sub-micron particulate removal efficiency helps reduce compressor fouling and lengthens intervals between water washes
- Low initial and operational pressure drop helps increase turbine output and/or enhance fuel efficiency
- Positive sealing arrangement eliminates unfiltered air bypass in the system
- Specifically developed for high dust applications

High Performance Filtration

The Parker Hannifin clearcurrent filter business offers extremely high levels of turbine protection in a wide range of environments with its selection of inlet filters. Our nearly 50 years of expertise in gas turbine inlet filtration design has influenced the development of this water resistant filter. Its high dust-holding capacity helps prolong filter life and significantly lowers operating costs.

Exceptional Results

The clearcurrent SP NanoPleat cartridge filter maintains gas turbine inlet air quality and extends filter operating life in the most challenging environments, including desert locations. Filtration and pressure loss characteristics remain optimized whether the filter is operating in wet or dry conditions, and at high and low levels of humidity. Designed to fit a range of new and retrofit systems in cross-flow configurations and available in various sizes and materials in both cylindrical and conical styles. The element has been tested to, and complies with, a wide range of industry specifications for gas turbine inlet filtration.

Performance Data

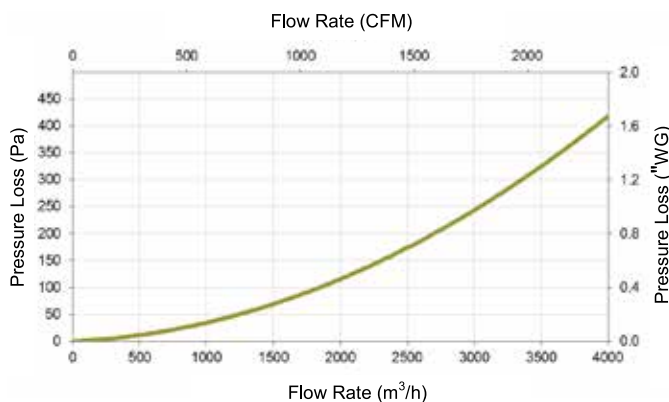
EN 779: 2012 Rating	F9
ASHRAE 52.2: 2012 Rating	MERV 15
Rated Airflow	1750 CFM (2975 m³/h)
Dust-holding capacity	2014 g (4.44 lb) ASHRAE at 4" WG (1000 Pa)
Operating Temperature Range	-40°C to 50°C (-40°F to 122°F)

Filter Facts

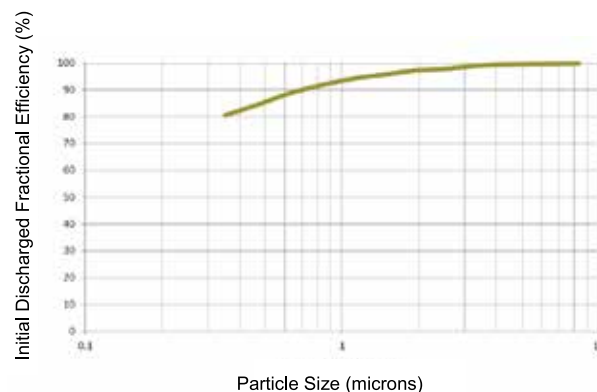
Construction	G90 Galvanized steel (Also available in 304L or 316L stainless steel)
Gasket	Gasket design and positive sealing arrangement eliminates unfiltered air bypass
Dimensions	Cylinder: 324mm x 660mm (12.75" x 26") Conical: 324mm x 445mm x 660mm (12.75" x 17.50" x 26") Also available for Pre-2001 Braden Geometry
Clean Weight	Conical: 7 kg (15 lbs) Cylinder: 6kg (13 lbs)
Media	Synthetic nonwoven water repellent composite media

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Pressure Loss



Initial Fractional Efficiency



Key Features

Synthetic nonwoven water repellent composite media



Urethane pleat potting compound



Positive sealing arrangement eliminates air bypass

