

clearcurrent® PRO SP+ Cartridge



Key Benefits

- Hydrophobic media protects gas turbine from damaging moisture/liquid salt ingestion.
- ARAMCO qualified
- Excellent 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

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 50 years of expertise in gas turbine inlet filtration design has influenced the development of this hydrophobic cartridge filter. Its high dust-holding capacity helps prolong filter life and significantly lowers operating costs.

The clearcurrent PRO SP+ cartridge filter is a high efficiency, hydrophobic gas turbine intake filter designed for low pressure loss, long service life and for operation in the most arduous of environments. It has successfully passed all the requirements of 32-SAMSS-008 (ARAMCO qualification), does not react to fog and mist, can withstand extreme temperature variations and is extremely robust (burst strength in excess of 25 inches water)

The clearcurrent PRO SP+ boasts impressive hydrophobic performance. This is especially important in regions containing high quantities of airborne salt. Salt changes physical state from solid to liquid with fluctuations in ambient humidity - for liquid-phase salt droplets, the hydrophobic design characteristics of the clearcurrent PRO SP+ stops these corrosive contaminants from leaching through the filter media and getting downstream to the gas turbine. For solid-phase salt particles, the excellent high efficiency dry particulate removal performance of the clearcurrent SP+ limits dry salt ingestion.

Performance Data

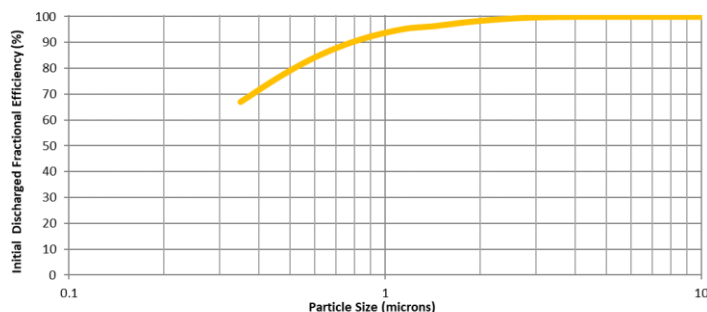
ASHRAE 52.2:2012 Rating	MERV 14
EN779:2012 Rating	F9
Rated Airflow	1750 CFM (2975 m³/hr)
Dust-holding capacity	800g (1.76 lbs) at 1000 Pa ASHRAE
Operating Temperature Range	-40°C (-40°F) to +70°C (158°F)

Filter Facts

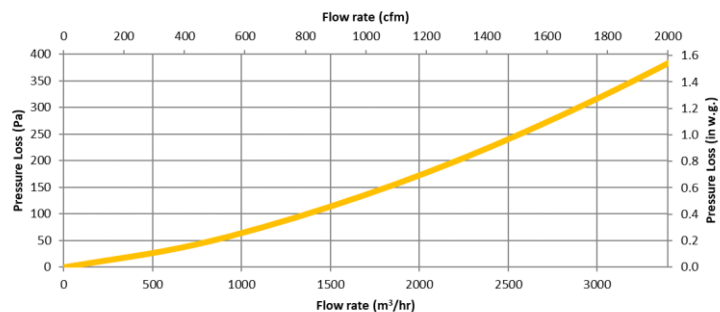
Construction	G90 galvanized steel as standard (also available in 304L and 316L stainless steel)
Gasket	Closed cell gasket design and positive sealing arrangement eliminates unfiltered air bypass
Dimensions	Cylinder: 324mm x 660mm (12.75" x 26") Conical: 324mm x 445mm x 660mm (12.75" x 17.50" x 26")
Clean Weight	Conical: 7 kg (15 lbs) Cylinder: 6kg (13 lbs)
Media	Premium hydrophobic, fully synthetic media

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Initial Fractional Efficiency



Pressure Drop



Key Features

G90 galvanized steel end caps
inner cage and outer cages



Closed cell gasket provides
consistent and continuous
sealing

Urethane pleat potting compound

Premium hydrophobic,
fully synthetic media

