

## clearcurrent® PRO Cartridge Filter



## Key Benefits

Compressor health improvement with PRO technology, including:

- Increased megawatt output
- Lower heat rate
- Predictable and lower pressure loss
- Reduced fouling
- Mist and fog resistant
- Superior hydrophobic protection in wet environments
- Reduced cold and hot end corrosion

Improving compressor health while meeting industry standards – it's an advantage that clearcurrent PRO brings to the energy and electric utilities sector. The clearcurrent PRO filter is fleet tested with compressor health improvement that shows increased output and lower heat rate with level dP.

Our multi-year fleet wide study allows us to determine the right filter criteria to reduce gas turbine compressor degradation. Incorporating elements of degradation based maintenance, our clearcurrent filters help power plant operators meet their desired performance goals.

The clearcurrent PRO (Predictable, Reliable Output) filter delivers predictable performance while maintaining steady pressure loss throughout filter life. The filter is constructed with PRO technology that protects against both dry and wet contaminants from reaching the gas turbine compressor blades. This reduces operating costs all while improving your power output.

## Applications

- Pulse & static
- Prefilter wrap available for non-pulsing
- Upflow & crossflow

## Performance Data

EN779:2012 rating	F9
ASHRAE 52.2:2007 rating	MERV 14
Rated airflow	1750 CFM 2975 m <sup>3</sup> /hr
Dust-holding capacity	7.5kg (16.5 lbs) ISO A2 Fine dust at 4" WG 1.8kg (4lbs) ASHRAE dust at 4" WG
Operating temperature range	-60°C to +70°C (-76°F to +158°F)

## Filter Facts

Construction	G90 galvanized standard (Also available in 304L or 316L stainless steel)
Gasket	Closed cell gasket design and positive sealing arrangement eliminates unfiltered air bypass
Dimensions	Cylinder: 12.75" x 26" / 324mm x 660mm Conical: 12.75" x 17.50" x 26" / 324mm x 445mm x 660mm Also available for Pre-2001 Braden Geometry, AAF Pulstar Geometry and Camfil Tenkay geometry
Media	PRO 3-layer synthetic glass fiber non-woven media
Clean Weight	Conical: 7kg (15 lbs) Cylinder: 6kg (13 lbs)

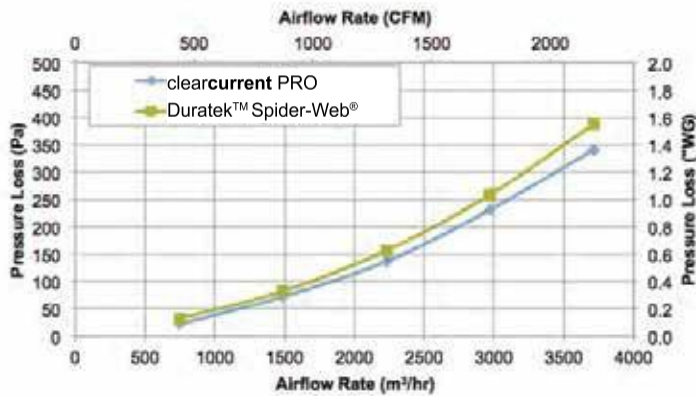


For more information, contact your **Parker Hannifin Gas Turbine Filtration** representative:

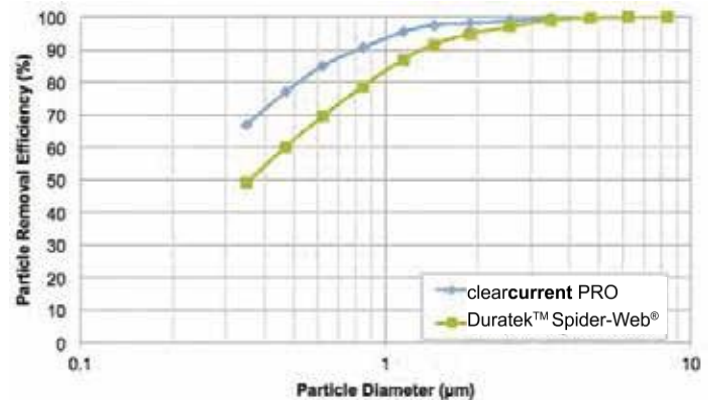
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## clearcurrent® PRO Cartridge Filter

### Pressure Loss



### Initial Discharged Fractional Efficiency



### clearcurrent PRO Cartridge Characteristics

G90 galvanized outer cage  
Non welded seams — H Clip  
OEM Requirements

Integrated Pleat Spacing



**Option:**  
Filter wraps  
for non-pulsing  
systems

PRO 3-layer synthetic/glass  
fiber nonwoven media

G90 galvanized caps and inner cage  
OEM Requirements



Closed cell gasket;  
consistent seal,  
avoids leaks

Urethane  
potting  
compound

