



clearcurrent® PRO Cartridge Filter

Improving compressor health while meeting operator demands — it's the unique advantage that clearcurrent PRO brings to the energy & electric utility sector. Most filters can meet industry standard criteria – only the clearcurrent PRO is fleet validated and proven with compressor health improvements showing increased power output and lower heat rate with level pressure loss.

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.

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

Performance Data

EN779:2002 rating	F9
ASHRAE 52.2: 2007 rating	MERV 14
Rated airflow	1750 CFM 2975 m ³ /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 +50°C (-76°F to +122°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)

Applications

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

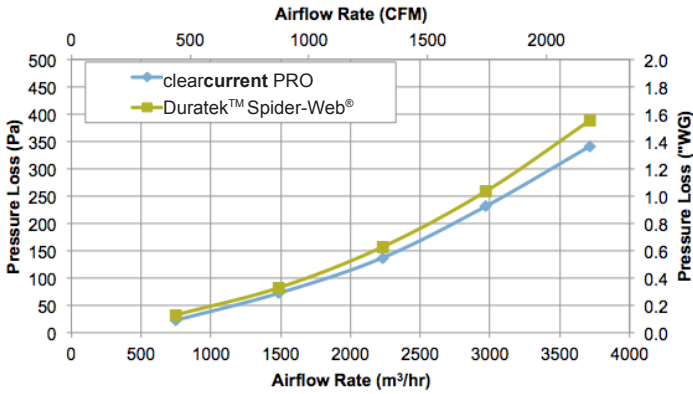
For more information, contact your clearcurrent representative at [CLARCOR Industrial Air](http://CLARCOR.com):

11501 Outlook Street, Suite 100 | Overland Park, KS 66211
T: +1.800.821.2222 | T: +1.816.356.8400 | F: +1.816.353.1873

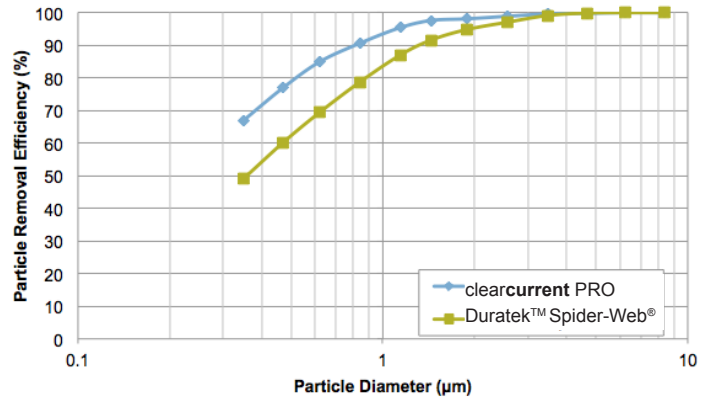
3 Omega Park | Alton, GU34 2QE | United Kingdom
T: +44 (0) 1420 541188 | F: +44 (0) 1420 541298
Email: filtration@CLARCOR.com
www.clearcurrentfilters.com

clearcurrent® PRO Cartridge Filter

Pressure Loss



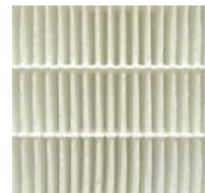
Initial Discharged Fractional Efficiency



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

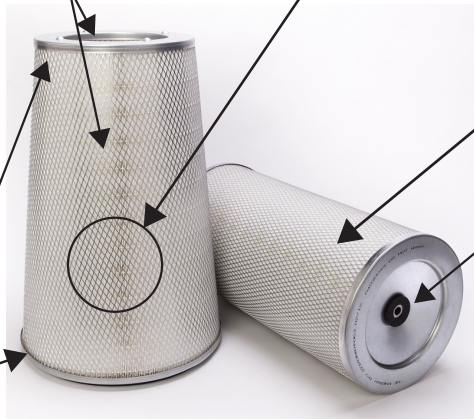
PRO 3-layer synthetic/glass
fiber nonwoven media

G90 galvanized caps and inner cage
OEM Requirements



Closed cell gasket;
consistent seal,
avoids leaks

Urethane
potting
compound



For more information, contact your clearcurrent representative at **CLARCOR Industrial Air**:

11501 Outlook Street, Suite 100 | Overland Park, KS 66211
T: +1.800.821.2222 | T: +1.816.356.8400 | F: +1.816.353.1873

3 Omega Park | Alton, GU34 2QE | United Kingdom
T: +44 (0) 1420 541188 | F: +44 (0) 1420 541298
Email: filtration@CLARCOR.com
www.clearcurrentfilters.com

CLARCOR
Industrial Air