



Key Benefits

- Low pressure loss helps increase power output and/or improve fuel efficiency
- High dust-holding capacity helps extend filter life and reduce costs
- Easy to install and change out to reduce downtime
- Easily disposable by incineration

clearcurrent[®] SM vCell

High Performance Filtration

CLARCOR Industrial Air's clearcurrent filter business offers extremely high levels of turbine protection in a wide range of environments with its selection of inlet filters. Our 40 years of expertise in gas turbine air intake design has influenced the development of this filter. Its high dust holding capacity helps prolong filter life and significantly lowers operating costs. The filter is designed for low pressure loss to enable improved power output. Available in industry-standard sizes, the SM vCell is suitable for all GT OEM filter houses.

Construction

The clearcurrent SM vCell filter is made using fully potted pleated panels to provide a complete seal and is mounted within an ABS plastic frame. Protective grids incorporated on the downstream surface deliver robust performance, even in high under-pressure conditions, which can be experienced in gas turbine applications. A specially designed gasket seals the rear contact surface of the filter frame against the holding frame of the filter house. This helps eliminate the possibility of air or water bypassing the filters when in service.

Performance Data

ASHRAE 52.2: Rating	MERV 13
EN 779: 2012 Rating	F7
Rated Airflow	4250 m ³ /h, (2500 CFM)
ASHRAE dust-holding capacity (450 Pa) @ 3400m ³ /h	578 g (1.28 lb)
ASHRAE dust-holding capacity (450 Pa) @ 4250 m ³ /h	407 g (0.9 lb)
Operating Temperature Range	-40°C to 70°C (-40°F to 158°F)

Filter Facts

Construction	Robust, impact resistance plastic, ABS (Acrylonitrile butadiene styrene)
Gasket	Foam in place polyurethane, continuous, single piece
Dimensions	595 mm H x 595 mm W x 293 mm D (23.4" H x 23.4" W x 11.5" D)
Clean Weight	10.5 kg (23.1 lb)
Application	Multi stage static or hybrid filtration, available also in reverse flow configuration

For more information, contact your clearcurrent representative at [CLARCOR Industrial Air](#):
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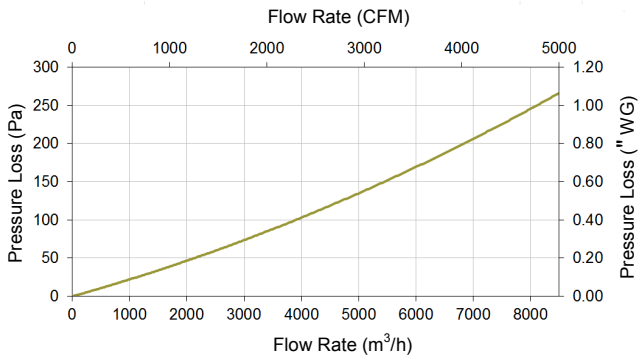
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clearcurrent[®] SM vCell

Pressure Loss



Initial Fractional Efficiency



Key Features



Hot Melt system guarantees equal spacing between each filter pleat and maintains geometry throughout filter service life



Continuous gasket with gasket stop



Fully potted and sealed media packs



Protective grids, ensures wet burst pressure of greater than 25 \" WG

Robust ABS Frame

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