VORTEX® MAX POWERED ENGINE PROTECTION SYSTEM

SY-KLONE® INTERNATIONAL

MINIMIZE DUST

MAXIMIZE PROTECTION

Protect Your Engine and Afterburner System from the High Cost of Dirty Air

Reduce Total Cost of Ownership, Improve Productivity

- Higher-airflow system (up to 600 CFM, 17 m^3/min)* for larger machines protects the engine with sustained clean air, regardless of operating state, even at idle
- High-efficiency filtration arrests smaller particles, keeping oil samples clean and extending life of engine and after-treatment systems
- Minimize downtime and maintenance costs
- Maximize primary engine filter life
- Easy to install, including vertical and horizontal mounting options

Protect Heavy Mobile Equipment and Machinery in High-Debris Work Environments, Including:

- Mining
- Demolition
- Construction
- Quarries / aggregate
- Concrete processing
- Waste and recycling, landfills, and transfer stations
- Agricultural and harvesting
- Forestry and timber
- Other high-debris job sites

*Contact Sy-Klone engineering for airflows above 600 CFM

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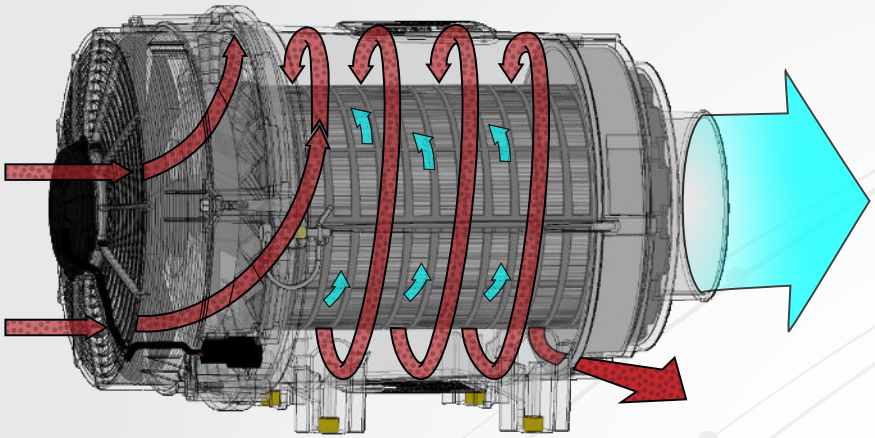

How it Works: The "Sy-Klone Effect"

1. Dirty air enters the precleaner housing through the inlet end.
2. The debris-laden air is directed into a rotation – a "Vortex" – pushing the debris to the outside walls through centrifugal force. The debris rotates towards the outlet end.
3. Debris is ejected through the ejection port, and the fine dust that remains passes through Sy-Klone's self-cleaning filter.
4. After passing through the high-efficiency filter, clean air is passed downstream to the engine and engine air filter through the outlet end.

The separation and ejection of debris, and high-efficiency filtering, all of which precleans air, is The Sy-Klone Effect.

Part Number	Description
VMAX0001	12-Volt Vortex MAX with Rain Cap
VMAX0002	24-Volt Vortex MAX with Rain Cap
VMAX0005	12-Volt Vortex MAX with Heavy-Debris Screen
VMAX0006	24-Volt Vortex MAX with Heavy-Debris Screen
EF800	Vortex MAX Replacement Filter

Product Specifications

Optimal Airflow range: 300-600 CFM (8.5-17 m^3/min)*

Mounting: Vertical or horizontal (Mounting plates available separately)

Voltage: 12V and 24V options available

Power requirement: 10.5 amps constant at 12V; 8 amps constant at 24V

Product dimensions and weight: HxWxL; Weight

With rain cap: 13.3" x 14.3" x 24.1" (337 mm x 364 mm x 611 mm); 17 lbs. (7.7 Kg)

Without rain cap: 13.2" x 14.3" x 21.5" (336 mm x 364 mm x 546 mm); 15.5 lbs. (7.0 Kg)

With heavy-debris screen: 14.5" x 14.5" x 26.2" (368 mm x 369 mm x 665 mm); 21.8 lbs. (9.8 Kg)

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MINIMIZE DUST, DEBRIS, MAINTENANCE COSTS, PREMATURE FILTER CHANGES, AND DOWNTIME

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