

# MINIMIZE DUST



## Extend engine filter life and reduce unplanned maintenance costs

### Reduce Total Cost of Ownership, Improve Productivity

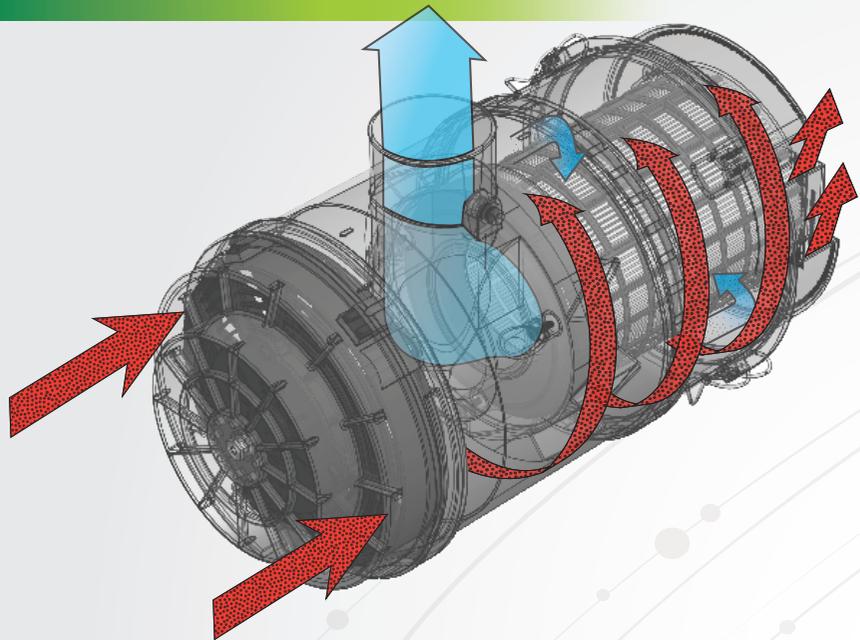
- Mid-airflow system (350 CFM, 9.91 m<sup>3</sup>/min) for mid-size machines protects the engine with sustained clean air, regardless of operating state, even at idle (*For higher airflow, see Sy-Klone's Vortex® MAX Powered Precleaner*)
- High-efficiency filtration arrests smaller particles, extending 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

# MAXIMIZE PROTECTION

# XLR POWERED PRECLEANER®



## Product Options

**Voltage:** 12V or 24V options available

**System size (filter capacity):** Standard or Extended Length

**Intake Configuration:** Rain cap or Heavy-Debris screen

## Product Specifications

**Airflow range:** 350 CFM (9.91 m<sup>3</sup>/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)

## 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.**

## XLR = Extra Low Restriction 99.99% Efficient on ISO Fine Test

