

Compare our Patented Precleaners!

The Sy-Klone ONE-TWO PUNCH!

Single-Stage Precleaner ◀



- Construction
- Waste Industry
- On & Off-Road
- Agriculture
- Generator Sets & Pumps
- Forestry
- Mining

Series 9000[®]

Air Precleaners

powerful ejective technology

Air Flow Range: 9 models range from 10 - 1,400 CFM (0.28 - 39.64 m³/m) and much higher with multiple-unit installations; contact Sy-Klone for details.

Mounting & Equipment Types: Mounts on all vertical and horizontal air cleaner housings, on all machines, replacing those with tube body systems or internal precleaners

Maintenance: Self-cleaning and maintenance-free

Recommended Uses: Off-road conditions, construction, mining, forestry, landfills, farming, military, and more.

Debris Types: Expels all types of mixed debris, including mud, snow, rain, leaves, sawdust, chaff, dust. Heavier debris may require additional heavy-debris screen; Ag screen is extremely effective on chaff.

▶ Dual-Stage Precleaner

NEED MORE?

Dual-Stage gives higher efficiency and further extends life on machines with an exhaust scavenger system



OPTIMAX[®]

Dual-Stage Precleaner

Air Flow Range:

Models available for engine air flows from 100 to 1,400 CFM (2.83 to 39.64 m³/m) and much higher with multiple unit installations, contact Sy-Klone for details.

Mounting: Requires engine exhaust scavenging connection.

Maintenance: Stage one, the Series 9000 Precleaner, is self-cleaning and maintenance-free. The second stage requires minimal maintenance as the chamber is completely open and there are no narrow openings to become plugged. The cover is removable and is easily accessible for inspection and cleaning (if necessary).

Recommended Uses: Waste, Mining, and Forestry. When you need more than the Series 9000 Precleaner, the OPTIMAX removes mixed AND extreme debris.

Elevation: Sea Level to 10,000 feet.

You'll be in good company! Series 9000 and OPTIMAX are manufactured for first-fit installations by Sy-Klone for Caterpillar, John Deere, Volvo, Bomag, and others.*

www.sy-klone.com

Visit our website and use the Online Sizing Wizard to help with your model and installation kit selection. Don't see your machine listed? CALL US, we can fit!

1-800-351-8265

*All trade names and logos are the property of their respective companies

Extreme debris requires the additional heavy-duty basket screen ▶



How it works: Single-Stage Series 9000

Step 1:

Air enters the underside of the dome through screened louvers. This prevents clogging by blocking any particles larger than the ejection slot from entering the unit.

Step 2:

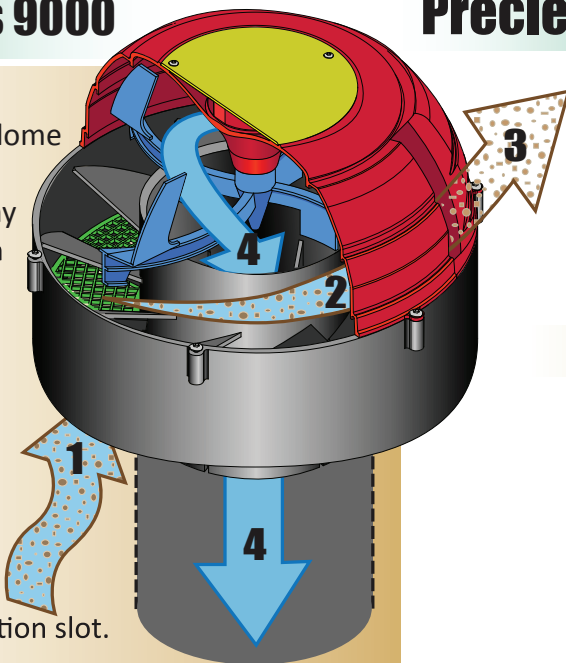
Curved particle-accelerator blades direct air and dirt up against the sidewall.

Step 3:

Strakes (angled fins) along the interior surface move heavier-than-air debris towards the ejection slot.

Step 4:

Clean air continues to swirl down into the engine air inlet pipe.



Precleaner Benefits:

Extends air filter life

Handles all kinds of mixed debris, including mud, snow, rain, leaves, sawdust, chaff, and dust

Lowers cost per operating hour by reducing parts, labor, and downtime

Increases uptime

Extends engine life

Lowers air restriction, which increases useable horsepower

Claims against our limited lifetime warranty are practically non-existent

Rugged engineered polymer construction gives you the strength of steel (without the corrosion) at the cost of plastic

Improves fuel efficiency

How it works: Dual-Stage OPTIMAX

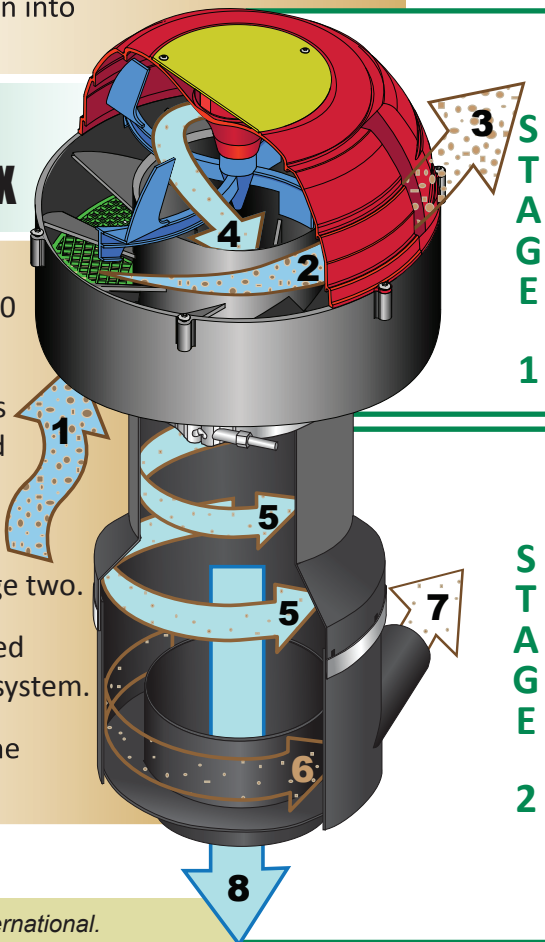
Step 1-4: During the first stage, air is pre-cleaned by a Series 9000 (see steps shown above.)

Step 5: The pre-cleaned air exits stage one and enters the second stage of the OPTIMAX.

Step 6: Remaining fine debris is isolated in the exit tray of stage two.

Step 7: Isolated debris is removed through the machine's exhaust system.

Step 8: Clean air continues to the engine air filter



**Sy-Klone
EJECTIVE
Precleaners
DECREASE
Maintenance!**

Sy-Klone Dealer:



CLIMATRANS INC.

www.climatrans.com

Eastern Canada



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