

Extends Filter Maintenance Interval by 10-20 times!

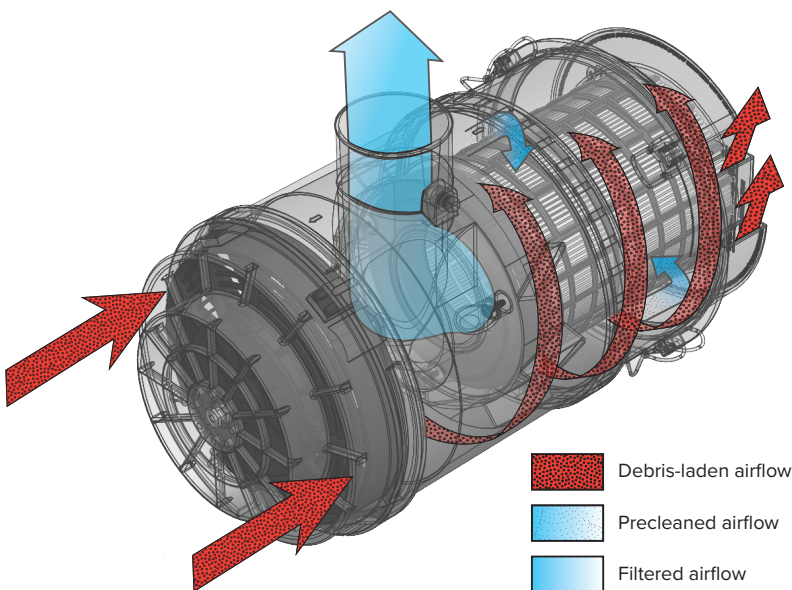


**For Extreme  
Environments!**



### Benefits

- High-efficiency pre-cleaning across all engine speeds
  - 90%+ pre-cleaning efficiency
- Incorporates High-Efficiency Pre-filter
  - Arrests particulate down to 0.3 micron
  - 99.99% efficient on ISO Fine Dust Test
- Lowers initial restriction
- Self-cleaning filters
- Debris falls off filter during operations and is ejected from housing





## Real World Performance:

- Consistent Pre-cleaner Performance is not dependent on engine or scavenge airflows.
- Greatly increased uptime • Reduced operating costs • Customers were completely satisfied

## Compactor: Landfill

### Environment:

Cat 836K Compactor running in landfill in Topeka, Kansas (KS), pushing and compacting daily loads of garbage, included "problem loads" of small shredded Styrofoam and pot ash.

### Before XLR Installation:

With the factory installation, average engine filter life was only 27 hours over the first 5 000 hours of machine usage. The Tier 4 machine design was high in initial restriction and low in scavenge airflow, resulting in short filter life.

### After Triple XLR Installation:

Reduced initial restriction, coupled with the improved and consistent pre-cleaner performance, yielded 477 hours of XLR pre-filter life in the initial period, and up to 720 hours on later cycles.

### Customer's Response:

"Sy-Klone really knows what they are doing with engine pre-cleaning. The XLRs work very well to separate the debris out of the airflow. The inlet screen does not plug and all we do is just change the OEM filter as required. I am impressed with how well these work."



**Filter life increased from an average of 29 to 500+ hours**

## Excavator: Indoor Waste & Transfer Station

### Environment:

Cat 336F Excavator working in indoor construction/demolition, waste, and transfer station in Champion City, Massachusetts (MA), as well as a two Cat 320F excavators working in Stoughton Recycling in Stoughton, Massachusetts.

### Before XLR Installation:

Challenges include heat and mixed debris, including fine particulate, leading to excessive machine downtime. Primary engine filters were being blown out 1-3 times per day and changed weekly.

### After Dual XLR Installation:

XLR filters are inspected at scheduled weekend maintenance check and changed at the PM cycle of 300 hours, sometimes longer. Machine uptime has dramatically increased.

### Customer's Response:

"Very pleased!" They have installed XLR on additional machines. All have very similar performance improvements:

- Single XLR installation on Cat 320E Excavators
- Dual XLR installation on Cat 323E Excavators
- Dual XLR installation on Cat 950M Wheel Loader\*



**Estimated Annual Saving on CAT 950M: \$20 285\***



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