

# ENGINE PRODUCTS

## NON-POWERED



### Series 9000®

Ejective Precleaner

- Patented technology handles mixed debris and snow, as well as dust.
- Nine sizes allow optimal balance of efficiency and restriction for a wide range of airflows.
- Extensive range of adaptation parts available.

## POWERED

### XLR Powered Precleaner®



eXtra Low Restriction  
Precleaning with  
High-Efficiency  
Filtration

- Amazing performance in extreme conditions.
- High-efficiency powered precleaner removes more than 90+% of the dust before it reaches the filter.
- High-efficiency radial seal prefilter removes 99.99% of ISO fine test dust.
- Patented self-cleaning prefilter drops dirt continuously, which is then ejected from the filter housing.

# 3 STEPS TO A COMPLETE CAB AIR QUALITY SYSTEM

These three components create a complete system that provides all engineering controls required by new OSHA Silica regulations, including: Precleaning • Continuous Positive Pressurization • Minimum level MERV 16 High-Efficiency Filtration • Reduces Accumulation of Settled Dust

Step	System Type	RESPA Model	Powered	MERV 16 / F9	HEPA	Odor/HEPA	Gas/HEPA
1	Fresh Air Precleaning & Filtration	RESPA-CF2	•	•	•	•	•
2	Recirculated Air Filtration	RESPA-CFX	•	•	•	•	
		RESPA-FFX2		•	•		

## 1 Fresh Air Precleaning, Pressurization & Filtration



### RESPA®-CF2

Vortex HyperFLOW®

- Powered precleaner removes 90+% of dust BEFORE it reaches the filter, and delivers positive airflow to pressurize cabin.
- Only clean air is delivered to HVAC system, reducing expensive repairs.
- Self-cleaning filter drops dirt which is then ejected from filter housing.
- Included filter options: MERV 16/F9 (self-cleaning filter media drops dirt) or HEPA/H13.
- Odor/HEPA and Gas/HEPA available separately.
- Standard and extended length systems available.
- 36 outlet rotation positions, every 10 degrees. Outlet can be easily rotated after installation.

## 2 Recirculation Filtration



### RESPA®-FFX2

High-Efficiency HVAC Filtration

- Superior recirculation filtration performance
- Easily configured retrofit solution
- MERV 16 and HEPA filter options
- Zero seal leaks

OR



### RESPA®-CFX

Vortex HyperFLOW®

- Continuous, powered recirculation air purification.
- Expands recirculation filtration options when you when you cannot plumb into HVAC plenum.
- MERV 16/F9 self-cleaning filter and HEPA/H13 filter options.

## Installation Kits and Adaptation Parts

AVAILABLE FOR:

- XLR
- RESPA
- Series 9000



## 3 Pressure Monitor



- Essential part of the Cab Air Quality System.
- Alerts when cab pressure drops below user-set minimum.
- If cab is sealed and alerts continue, it's time for filter change.
- Outputs signal for remote monitoring.

# RadialSHIELD®

## HIGH EFFICIENCY FILTRATION

The RadialSHIELD® Filtration brings exposure levels below required threshold in most cases for OSHA silica rule and MSHA standards when properly installed. Recommended by ISEEE as a critical component in achieving an ISEEE Performance Level cab. Radial seal provides 100% seal integrity.



### RadialSHIELD: MERV 16/F9

- Filter media rated as MERV 16 under the ASHRAE 52.2 standard
- Rated as F9 under the EN779-2002 standard
- Our most cost-effective, high-efficiency filter
- Constructed from self-cleaning, advanced technology, high-efficiency filter media
- Provides 1000 hours of filter life in most applications

### RadialSHIELD: HEPA/H13

- Rated as H13 under the EN1822 standard
- Rated as 35H under the ISO-29463-1 standard
- Use when 0.3 micron filtration is an absolute requirement
- Extends service life when incorporated into the RESPA Powered Precleaner System
- The most cost-effective HEPA solution in the market today

### RadialSHIELD: Gas/HEPA

- Rated as ABEK1 under EN14387
- Combines excellent gas filtration with HEPA particulate filtration (P3; H13 under EN1822; 35H under ISO-29463-1)
- Excellent for known toxic gas environments
- Available in the extended length RESPA-CF2 only

### RadialSHIELD: Odor/HEPA

- Rated as Odor Filter under the ISO 011155-2 (2002)
- Combines excellent general purpose odor filtration with HEPA particulate filtration (P3; H13 under EN1822; 35H under ISO-29463-1)
- Available for RESPA-CF2, or RESPA-CF with Odor Filter Retrofit Kit

### RadialSHIELD: Engine

- Pre-filter removes dirt BEFORE it reaches engine filter
- 99.99% effective on ISO Fine Test Dust (Most engine filters only test with ISO Coarse Test Dust)

# SY-KLONE®

## INTERNATIONAL



Sy-Klone International World Headquarters in Jacksonville, Florida

## Clean Air is Our Mission™

Sy-Klone International has been on a mission since 1986 to become the technological world leader in atmospheric ejective air precleaning. Our research and development efforts are second to none. Since 1986, Sy-Klone International has earned 22 US patents, as well as many in other countries such as Japan, Brazil, and Europe. We are advancing in a field that remained previously unchanged for decades. Air precleaners of the future will be built with Sy-Klone's technologies.



Sy-Klone's RESPA® Cab Air Quality Systems have been recognized by the International Society of Environmental Enclosure Engineers (ISEEE) as best practice components in achieving an ISEEE-certified performance level cab. For more info, visit [www.iseee.org](http://www.iseee.org).

SYKLITTRIFOLD 02



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## Air Intake Solutions for Engines & Operator Enclosures



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