

# RadialSHIELD®

## HIGH-EFFICIENCY FILTRATION



## RESPA® Filtration Program

### RESPA Complete Cab Air Quality Systems:

Recommended by ISEEE as a critical component in achieving an ISEEE Performance Level cab.

Brings exposure levels below required threshold in most cases for OSHA Silica rule and MSHA standards when properly installed.



System Type	RESPA Model	Powered	MERV16* / F9	HEPA	Odor/HEPA	Gas/HEPA
Fresh Air Precleaning & Filtration	RESPA-CF2	●	●	●	●	●
	RESPA-CF	●	●	●	● **	
Recirculated Air Filtration	RESPA-CFX	●	●	●		
	RESPA-FFX2		●	●		

\*MERV 16 Filter Media \*\*Requires installation of Odor Filter Retrofit Kit

## Recirculated Air Filtration Systems

Fits RESPA Model	Sy-Klone Part No.	Filter Rating at Specified Airflow	Minimum Average Efficiency	Operating Airflow	For Use On	Effective Against	Applications
<b>CFX &amp; FFX2</b> (also fits FF, FFX) Recirculation Filters	FEFF111 <i>Closed Filter Cap - Replaces FEFF011</i> <b>and</b> FEFF120 <i>Louvered Filter Cap - For FFX2 Only</i>	<b>MERV 16*</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.3 to 1.0 μm	≤ 150 CFM (255 m <sup>3</sup> /h)	Recirculated Air Filtration	0.30 to 1.0 μm particulate, such as: all bacteria; most tobacco smoke; proplet nuclei (sneeze); respirable crystalline silica (RCS); diesel particulate matter (DPM); and other respirable particulate within the size range.	Mining, Agriculture, Demolition, Construction, Waste, Indoor Recycling, all applications where respirable dust is present.
		<b>F9</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.4 μm (Em)				
	FEFF110 <i>Closed Filter Cap - Replaces FEFF010</i> <b>and</b> FEFF122 <i>Louvered Filter Cap - For FFX2 Only</i>	<b>HEPA H-13</b> @ 100 CFM (170 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 100 CFM (170 m <sup>3</sup> /h)	Recirculated Air Filtration	0.30 μm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.	Nuclear Clean-up, working with friable Asbestos, Carcinogenic Materials.
<b>CFX</b> (also fits FF/FFX) with Extended Filter Housing (Non-Ported Filters)	FEFF112 <i>Replaces FEFF012</i>	<b>MERV 16*</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.3 to 1.0 μm	≤ 150 CFM (255 m <sup>3</sup> /h)	Recirculated Air Filtration	0.30 to 1.0 μm particulate, such as: all bacteria; most tobacco smoke; proplet nuclei (sneeze); respirable crystalline silica (RCS); diesel particulate matter (DPM); and other respirable particulate within the size range.	Mining, Agriculture, Demolition, Construction, Waste, Indoor Recycling, all applications where respirable dust is present.
		<b>F9</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.4 μm (Em)				
	FEFF113 <i>Replaces FEFF013</i>	<b>HEPA H-13</b> @ 100 CFM (170 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 100 CFM (170 m <sup>3</sup> /h)	Recirculated Air Filtration	0.30 μm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.	Nuclear Clean-up, working with friable Asbestos, Carcinogenic Materials.



## Fresh Air Powered Precleaning Filtration Systems

Fits RESPA Model	Sy-Klone Part No.	Filter Rating at Specified Airflow	Minimum Average Efficiency	Operating Airflow	For Use On	Effective Against	Applications
<b>CF &amp; CF2</b> (Filters with Ejection Ports)	FEFF108 <i>Replaces FEFF008</i>	<b>MERV 16*</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.3 to 1.0 µm	≤ 150 CFM (255 m <sup>3</sup> /h)	Fresh Air Filtration	0.3 to 1.0 µm particulate, such as: all bacteria; most tobacco smoke; proplet nuclei (sneeze); respirable crystalline silica (RCS); diesel particulate matter (DPM); and other respirable particulate within the size range.	Mining, Agriculture, Demolition, Construction, Waste, Indoor Recycling, all applications where respirable dust is present.
		<b>F9</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.4 µm (Em)				
	FEFF118 <i>Replaces FEFF018</i>	<b>HEPA H-13</b> @ 100 CFM (170 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 100 CFM (170 m <sup>3</sup> /h)	Fresh Air Filtration	0.30 µm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.	Nuclear Clean-up, working with friable Asbestos, Carcinogenic Materials.
FEFF131 <i>** RESPA-CF requires REVA-019 Odor Filter Retrofit Kit</i>	<b>HEPA H-13 and Odor Retention</b> @ 50 CFM (85 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 50 CFM (85 m <sup>3</sup> /h)	Fresh Air Filtration where odor reduction is needed	General odors caused by particulate and non toxic gas contaminates. 0.30 µm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.	Ag Spraying equipment, waste, recycling facilities, farming. Any application that involves non toxic odors.	
<b>CF &amp; CF2</b> with Extended Filter Housing (Filters with Ejection Ports)	FEFF109 <i>Replaces FEFF009</i>	<b>MERV 16*</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.3 to 1.0 µm	≤ 150 CFM (255 m <sup>3</sup> /h)	Fresh Air Filtration	0.3 to 1.0 µm particulate, such as: all bacteria; most tobacco smoke; proplet nuclei (sneeze); respirable crystalline silica (RCS); diesel particulate matter (DPM); and other respirable particulate within the size range.	Mining, Agriculture, Demolition, Construction, Waste, Indoor Recycling, all applications where respirable dust is present.
		<b>F9</b> @ 150 CFM (255 m <sup>3</sup> /h)	≥95% on particle size 0.4 µm (Em)				
	FEFF119 <i>Replaces FEFF019</i>	<b>HEPA H-13</b> @ 100 CFM (170 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 100 CFM (170 m <sup>3</sup> /h)	Fresh Air Filtration	0.30 µm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.	Nuclear Clean-up, working with friable Asbestos, Carcinogenic Materials.
	FEFF130 <i>For RESPA-CF2 Extended Length only</i>	<b>HEPA H-13 and Gas ABEK1 P3</b> @ 50 CFM (85 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 50 CFM (85 m <sup>3</sup> /h)	Fresh Air Filtration where toxic gas is present	For use in known toxic gas environments. As a particulate filter: 0.30 µm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.  Please consult <a href="http://www.sy-klone.com">www.sy-klone.com</a> for the list of gases that this filter is effective against.	Industrial processing, ore processing, waste, Toxic gas applications  Nuclear Clean-up, working with friable Asbestos, Carcinogenic Materials.
FEFF132 <i>** RESPA-CF requires REVA-020 Odor Filter Retrofit Kit</i>	<b>HEPA H-13 and Odor Retention</b> @ 50 CFM (85 m <sup>3</sup> /h)	Initial Efficiency ≥99.95%	≤ 50 CFM (85 m <sup>3</sup> /h)	Fresh Air Filtration where odor reduction is needed	General odors caused by particulate and non toxic gas contaminates. 0.30 µm particulate, such as: all combustion smoke; diesel particulate matter (DPM); respirable crystalline silica (RCS); radon progeny; carbon dust; sea salt; and other respirable particulate within the size range.	Ag Spraying equipment, waste, recycling facilities, farming. Any application that involves non toxic odors.	