

Cab Air Quality System

HVAC Air Precleaner/Filter/Pressurizer



Protect operators and HVAC with a Cab Air Quality System

The Cab Air Quality System is economical and cost effective at providing clean air to your HVAC system.

System and Performance Benefits

- Reduce operator exposure to harmful particulate
- Dramatically extend filter life
- Lengthen the life of your HVAC system and cab electronics

Cab Air Quality Systems have been proven in Mining, Waste, Forestry and Agriculture, and are especially helpful with achieving compliance where operator exposure to harmful particulate is regulated.



MERV 16 and HEPA filtration options.*



Cab Air Quality System

Patented technology at work:

Step 1: Debris-laden air enters the primary ejection chamber.

Step 2: Debris particles are accelerated outward by centrifugal forces. The particles then ride along the outer wall of the ejection chamber.

Step 3: When the debris reaches the ejection port, it is expelled back into the atmosphere.

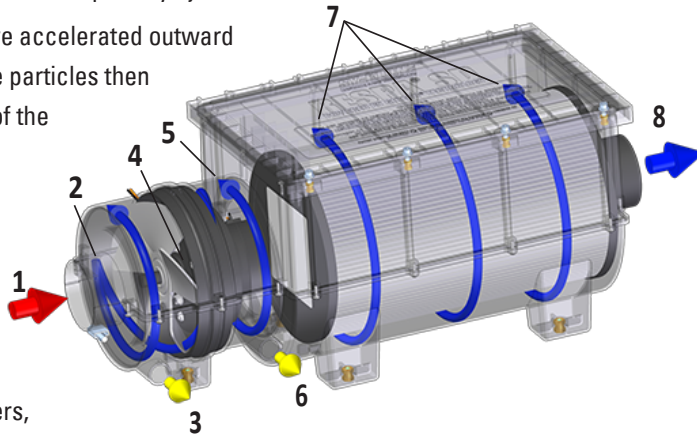
Step 4: Air is accelerated as it passes through louvers, further enhancing the debris-separating forces.

Step 5: Finer debris is then stratified in the secondary ejection chamber.

Step 6: When the fine debris reaches the ejection port, it is expelled back into the atmosphere.

Step 7: Clean air continues into the air filter housing and passes through the filter.

Step 8: Fresh air continues into the evaporator coil box for heating and cooling.



Cab Air Quality System	
Part Number	Item
304-8630	System with MERV 16 Filter
304-8631	MERV 16 Filter
333-2112	HEPA* Filter
356-5250	3in.-to-4in. Rubber Adaptor for Respa-SD Outlet
356-7502	Respa-SD Mounting Plate (not required for all applications)
<i>Specific vehicle kits available.</i>	

*THE AIR QUALITY LEAVING THE 333-2112 HEPA FILTER MEETS THE MINIMUM EFFICIENCY REQUIREMENT OF 99.97% AT 0.3 MICRONS TO BE CONSIDERED A HEPA FILTER. HOWEVER, USING 333-2112 HEPA FILTER WILL NOT GUARANTEE THE OPERATOR CAB ENVIRONMENT IS TO A HEPA LEVEL OF CLEANLINESS. CATERPILLAR RECOMMENDS OPERATORS USE PERSONAL PROTECTIVE EQUIPMENT (PPE) WHEN WORKING IN ENVIRONMENTS WITH HAZARDOUS MATERIALS.

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