



CLEANAIR™

RE-CIRCULATION AIR SCRUBBER SYSTEM

 **rosenbauer**

CLEAN AIR
ROSENBAUER IN-CAB RECIRCULATION AIR SCRUBBER

- ◆ Developed in conjunction with Particle Calibration Laboratory at the University of Minnesota
- ◆ 95% Effective at removing VOCs
- ◆ Tested to ASHRAE Standard 145.2-2016

PATENT PENDING

■ FOCUSING ON FIREFIGHTER HEALTH

Rosenbauer's CleanAir™ re-circulation air scrubber is a tool for your departments "toolbox" to reduce exposures of carcinogenic toxins. Statistics show firefighters are at 9% higher-risk of being diagnosed with cancer and a 14% higher risk of dying from cancer than the general U.S. population according to the CDC/NIOSH.

■ RETROFIT EXISTING APPARATUS

Have an existing unprotected fleet? CleanAir™ can be installed in virtually any type vehicle with available power supply and space for the system cabinet.

MERV & ACTIVATED CHARCOAL

- STAGE ONE: Large particulates such as soot from fires are captured in the electrostatic MERV-15. MERV filters provide better air-flow and require less replacement, do not clog as frequently compared to HEPA type filters.
- STAGE TWO: Off-gassing is a primary concern for crews coming into the apparatus contaminated by Volatile Organic Compounds (VOCs). Activated charcoal and potassium permanganate is the most effective on gaseous contaminants.

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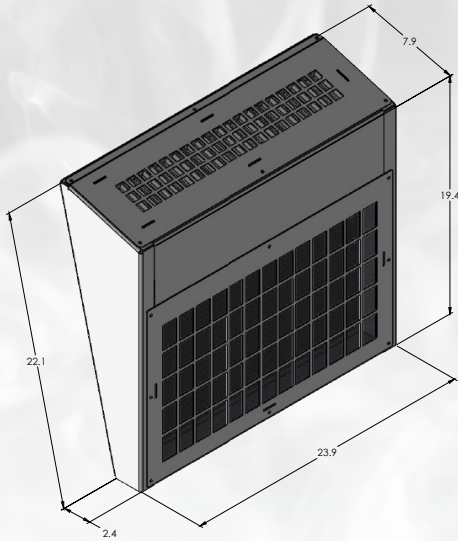
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CLEANAIR™ BY ROSENBAUER

ANNOUNCEMENT OF TEST RESULTS FROM UNIVERSITY OF MINNESOTA

The Particulate Calibration Laboratory of the University of Minnesota has released test results of the filter used in the Rosenbauer CleanAir Scrubber introduced at the 2019 FDIC. The test was conducted per ASHRAE Standard 145.2-2016 in a test facility with a controlled air flow system where a representative VOC (volatile organic compound) was injected to determine the overall effectiveness of the filter in removing VOC's.

The test showed that the filter was effective in removing the VOC with an initial efficiency of 95%. We believe this a significant step forward.



FREQUENTLY ASKED QUESTIONS

Q: Can CleanAir™ be retrofitted?

A: Yes, the system can be installed in any type of vehicle with space for the machine and available power.

Q: How often does CleanAir™ re-circulate?

A: Cycles three times every 10-15 minutes

Q: How is the CleanAir™ activated?

A: An on/off switch will be installed on the dash console to power up the system when the crew is ready.

Q: When does the filter(s) need to be replaced?

A: Filter replacements are dependent per department. Similar to home HVAC system, expect to replace filter(s) every few months.

Q: Where do we get replacement filters?

A: Filters will be readily available through Rosenbauer dealers



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