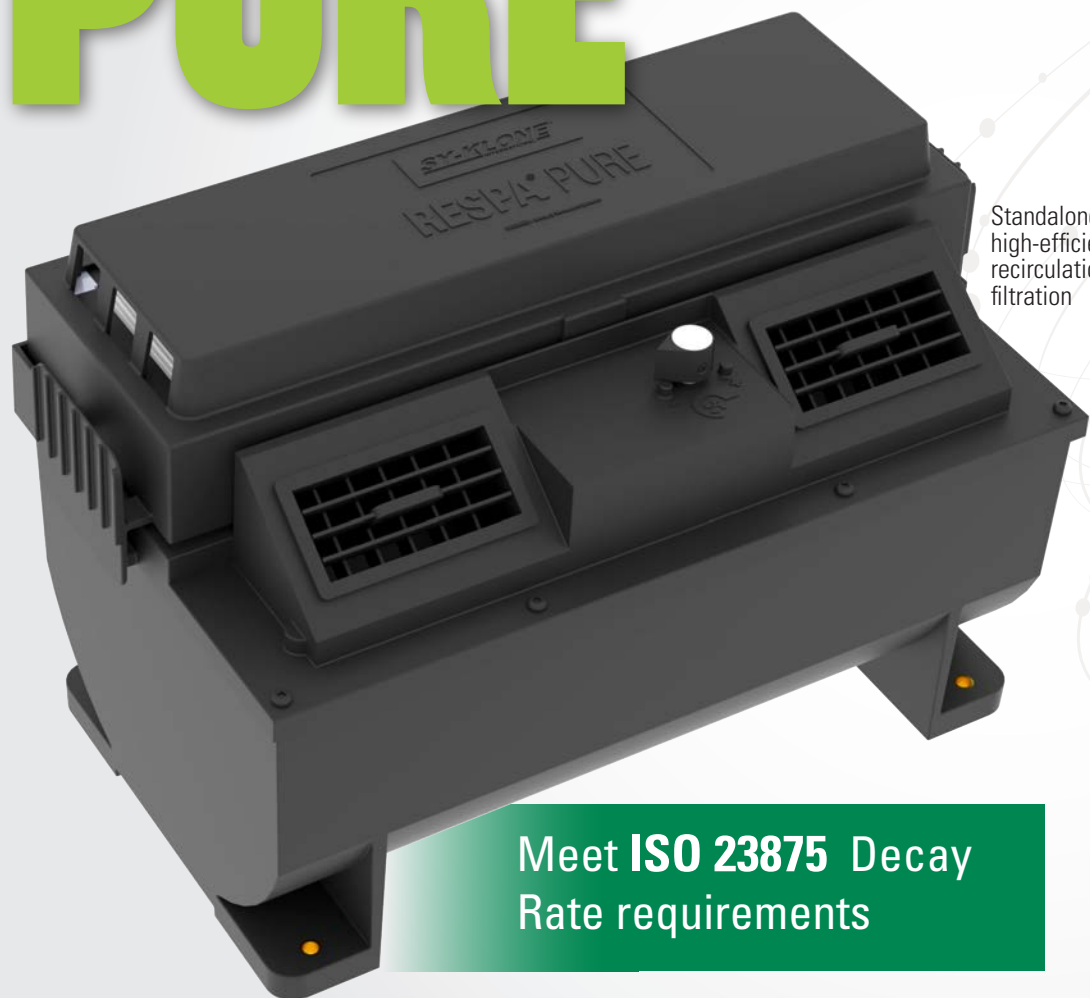


INTRODUCING RESPA PURE



Standalone
high-efficiency
recirculation
filtration

Meet **ISO 23875** Decay
Rate requirements

High-Efficiency Recirculation Filtration

Dust enters the cab, even with a fresh-air precleaner/pressurizer

The majority of the airflow in the cab is provided by the recirculation system. Fresh air precleaning and filtration is just the first step.

Harmful respirable particulate enters the cab in other ways:

- The door or window is opened
- Operator enters with dust on clothing and boots
- Dust built up in upholstery puffs out as operator moves on the seat
- Operator movements disturb dust that has settled in the cab

ISO 23875, the global standard for cab air quality, includes a decay rate test that quantifies the performance of the cab filtration. After a spike in dust, air quality needs to return to below specified particulate level within two minutes; impossible without high-efficiency recirculation filtration (see page 2).

Protect your operators' cab air quality with a **RESPA[®] Cab Air Quality System**

RESPA CF2: Fresh-air precleaner/filter/pressurizer

RESPA Pure or CFX2: High-efficiency recirculation filtration

RadialSHIELD[®] Filters:

Interchangeable high-efficiency filter options

RESPA Advisor+ 2.0

Pressure, dust, and CO₂ monitor



Features:

Easy-to-install Standalone System

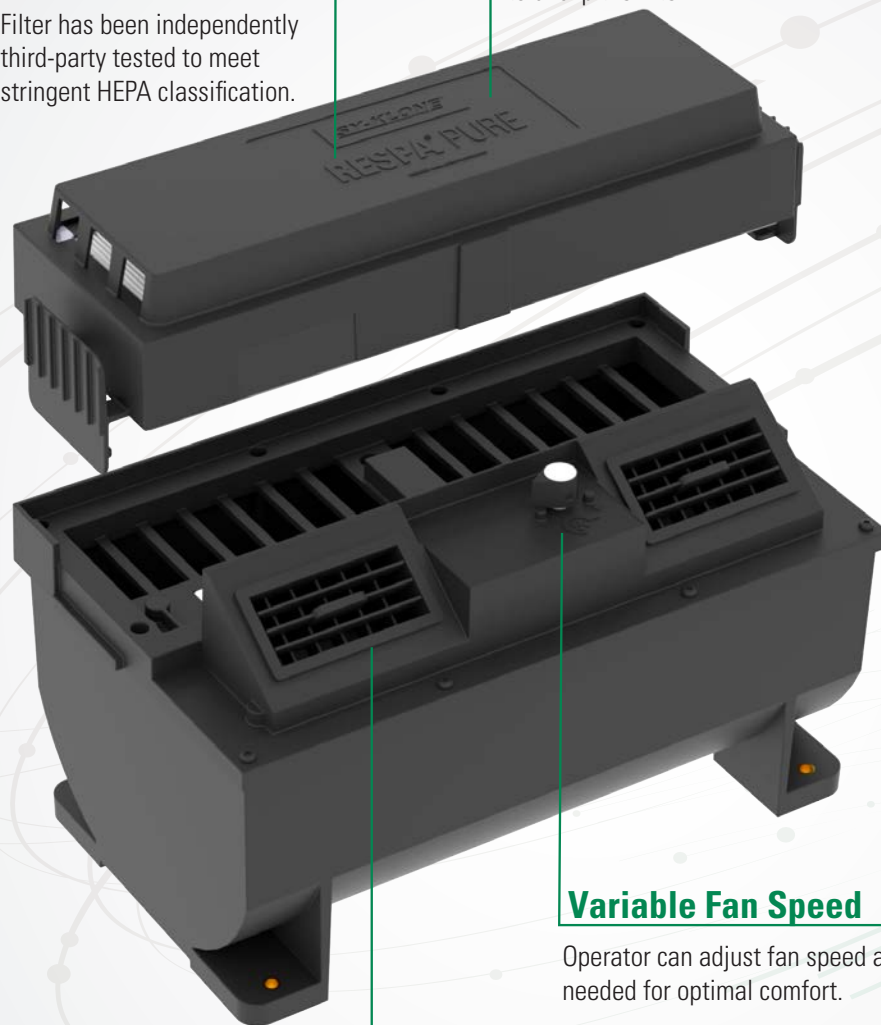
No airflow plumbing required.

High-Efficiency HEPA Filtration

Filter has been independently third-party tested to meet stringent HEPA classification.

Easy-to-change Filter Element

Filter is easy to replace; simply squeeze the side tabs to unclip the filter.



Product Specifications:

Voltage and Current Consumption:

- 12 VDC
- Min fan speed 1.67 amp draw
- Max fan speed 7.1 amp draw
- 24 VDC
- Min fan speed 0.85 amp draw
- Max fan speed 6.8 amp draw

Filter Efficiency:

HEPA 99.98% @ 0.3 μm

Airflow Range:

- 12 VDC
- Min fan speed 0.85 m³/min (30 CFM)
- Max fan speed 2.55 m³/min (90 CFM)
- 24 VDC
- Min fan speed 0.85 m³/min (30 CFM)
- Max fan speed 3.96 m³/min (140 CFM)

Decibel Rating:

- Min fan speed 50 dB
- Max fan speed 70 dB

Dimensions:

Inches: 16.61 W x 10.46 H x 9.03 D
Millimeters: 421.8 W x 265.7 H x 229.4 D

Weight:

5.734 kg (12.642 lbs)

Connector: Deutsch DT series

No Strain on the HVAC System

Because the unit operates independently, the high-efficiency filtration does not strain or restrict the HVAC system.

User-Adjustable Airflow Direction

Adjustable louvers allow operator to easily direct the airflow, allowing for a variety of mounting locations.

Variable Fan Speed

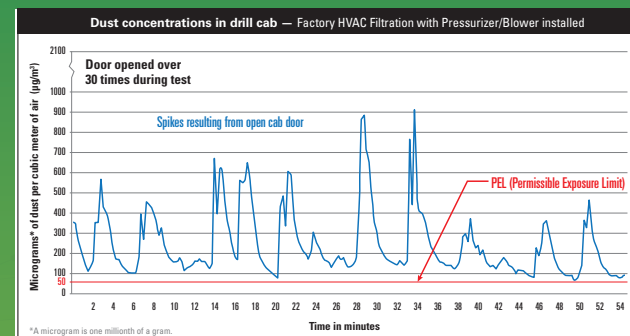
Operator can adjust fan speed as needed for optimal comfort.

What is DECAY RATE?

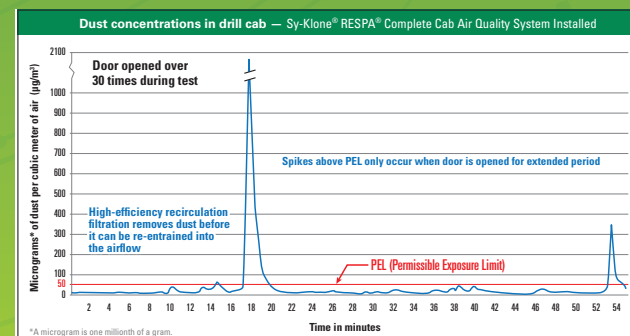
When dust enters the cab, the length of TIME it takes for the air quality to return to the specified particulate level is called the decay rate.

ISO 23875 specifies particulate levels return to 25 μm/cubic meters of air or less within 2 minutes.

Before installation of the RESPA Cab Air Quality System, the factory HVAC filtration system never allowed the dust concentration to fall below the Permissible Exposure Limit.



After installation of the RESPA Cab Air Quality System including high-efficiency recirculation filtration, the decay rate reduced so dramatically that dust concentrations stayed below the PEL except when the door was opened for an extended period.



Read the full case study on www.Sy-Klone.com.