



HIGH-EFFICIENCY RECIRCULATION FILTRATION

Introducing RESPA® PURE STANDALONE AIR-QUALITY PURIFICATION

Meet ISO 23875 Decay-**Rate Requirements**



High-Efficiency Recirculation Filtration

Dust enters the cab, even with a fresh-air pre-cleaner/pressuriser

The majority of the airflow in the cab is provided by the recirculation system. Fresh air pre-cleaning and filtration are just the first steps.

Harmful respirable particulate enters the cab in other ways:



- The door or window is opened.
- The operator enter with dust on clothing and boots.
- Dust built up in the upholstery puffs out as the operator moves on the seat.
- The operator's 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; this is impossible without highefficiency recirculation filtration (see page 2).

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

RESPA CF2: Fresh-air pre-cleaner/filter/ pressuriser

RESPA Pure or CFX2: High-efficiency recirculation filtration

RadialSHIELD® Filters: Interchangeable high-efficiency filter options

RESPA Advisor+ 2.0 Pressure, dust, and CO₂ monitor



AIR MANAGEMENT



RESPA PURE HIGH-EFFICIENCY RECIRCULATION FILTRATION

Easy-to-install Standalone System - No airflow plumbing required.

High-Efficiency HEPA Filtration

meet stringent HEPA

classification.

The filter has been indepen-

dently third-party tested to

Easy-to-change **Filter Element**

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

User-Adjustable Airflow Direction

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

Operator can adjust fan speed as needed for optimal comfort.

Variable Fan Speed

No Strain on the HVAC System

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

Product Specifications:

Voltage and Current **Consumption:** 12 VDC

• Min. fan speed 1.67 Amp draw • Max. fan speed 7.1 Amp draw

24 VDC

,AL TUNK AIR MANAGEMENT

- Min. fan speed 0.85 Amp draw
- Max. fan speed 6.8 Amp draw

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: 421.8 (w) x 265.7 (h) x 229.4 (d) mm

Weight:

5.734 kg

Connector: Deutsch DT Series

Filter Efficiency:

HEPA 99.98% @ 0.3 m

AutoTech | **RiskTech | Man**Tech | **Serv**Tech | **Fleet**Tech | **Eng**Tech

Eastern Cape - Port Elizabeth: T: +27 (0)82 450 6596

Free State - Bloemfontein: T: +27 (0)63 257 0505

Gauteng - Bedfordview (FleetTech): Mpumalanga - Middelburg: T: +27 (0)10 329 0932

T: +27 (0)11 823 5650 KwaZulu Natal - Pinetown: T: +27 (0)31 303 4129

Gauteng - Jet Park (HQ):

T: +27 (0)13 692 8132

Northern Cape - Kathu: T: +27 (0)53 723 3415 North West - Rustenburg:

T: +27 (0)14 596 5257 Western Cape - Cape Town:

Mozambique, Tete: T: +258 252 20666

T: +267 399 4150

Botswana, Gaborone:

Zambia, Kitwe: T: +26 (0)21 222 5338



0286

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 that particulate levels return to 25 m/cubic metre of air or less within 2 minutes.

Before the 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 de-cay rate reduced so dramatically that dust concentrations stayed below the PEL (Permissible Exposure Limit) except when the door was opened for an extended period



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

T: +27 (0)21 945 1453

trading@trysome.cc · www.trysome.co.za · PO Box 13677, Witfield 1467

This product may not be a stock item. Please speak to our sales representative about lead times. Lead times, price, and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.