

# ISO 23875

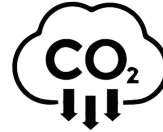
# NEW STANDARD FOR CAB AIR QUALITY



## Reduce Occupational Exposure in Operator Enclosures

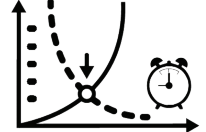
### 5 Engineering and Performance Requirements

#### 1 Defined CO<sub>2</sub> Levels



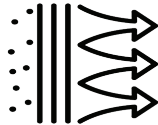
First alarm threshold: ambient CO<sub>2</sub> level plus 400 parts per million (PPM).  
Second CO<sub>2</sub> alarm threshold of 2,500 PPM.

#### 2 Defined Fresh & Recirculation System Efficiency



Maximum respirable particulate matter concentration less than 25 micrograms per cubic meter of air at start and end of decay test (maximum 120 second decay time).

#### 3 Increased Filter Efficiency Requirements



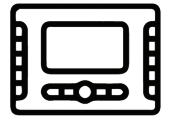
**Updated in June 2022:** Filtration that exceeds 94% efficiency at 0.3 microns is recommended. Filters must pass the required intake air leakage and particle decay tests.

#### 4 Defined Pressurization Requirements



Operator enclosures must maintain a minimum pressure of 20 Pa with key on and HVAC blower turned off.

#### 5 Defined, Real-Time Monitoring Requirements



Monitor must include an audible alarm for CO<sub>2</sub> and pressurization to alert the operator when levels exceed the permissible pressure and CO<sub>2</sub> thresholds.

**Learn how you can meet ISO 23875 requirements on new and existing equipment →**

# ISO 23875 NEW STANDARD FOR CAB AIR QUALITY



## Meet ISO 23875 requirements with Sy-Klone Cab Air Quality Systems



CO<sub>2</sub>  
Levels



Recirculation  
Efficiency



Filtration  
Efficiency



Defined  
Pressurization



Real-Time  
Monitor



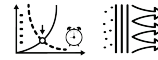
RESPA CF2



**RESPA Fresh Air System**  
Precleaner/Filter/Pressurizer



**Pressure + CO<sub>2</sub> Monitor**  
RESPA Advisor+



RESPA CFX2



RESPA FFX2

or



RESPA PFX

**RESPA Recirculated Air System**  
High-Efficiency Filtration



**RadialSHIELD Filtration**  
EPA or HEPA

The Sy-Klone RESPA® fresh and recirculated cab air quality systems, RadialSHIELD® high-efficiency HEPA and EPA filters, and the RESPA Advisor®+ Monitor, combined with a well-sealed cab, provide the engineering controls needed to prepare a cab to meet ISO 23875 performance requirements.

**Contact Sy-Klone for more information:**

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