# Occupational Safety & Health Administration

OSHA's Final Rule to Protect Workers from Exposure to Respirable Crystalline Silica



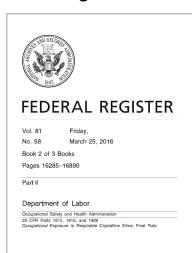


## Final Rule requires engineering controls to keep workers from breathing silica dust

The Occupational Safety and Health Administration (OSHA) has issued their final rule to curb lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease in America's workers by limiting their exposure to respirable crystalline silica.



Within OSHA's 16,890 page Standard on Silica Dust Exposure the ICS Dust Director® has been used and has figured prominently in just about every silica dust control study since its inception in 2001 and likewise has been acknowledged in the document's Standard.



#### Key Provisions — OSHA Silica Dust Exposure Final Ruling:

Effective Date: 23 June 2016Compliance Date: 23 June 2017

Equipment: Dust Extractor (vacuum cleaner) equipped with a dust collector guard.

### OSHA Final Rule — **Dust Control Requirements:**

- Vacuum CFM Rating: 25 cfm or greater of air flow per inch of wheel diameter
- Vacuum Filter Efficiency Rating: 99 percent or greater
- Vacuum Filtration: Must be able to maintain the wheel diameter's CFM requirements
- Dust Emissions: No visible dust exhaust from either the vacuum or dust guard.

#### Examples of required CFM — For Wheel Diameter and Vacuum's CFM Rating:

Wheel Diameter	Required CFM — 25 cfm per inch of wheel diameter
5"	125 CFM (5" x 25 cfm)
6"	150 CFM (6" x 25 cfm)
12"	300 CFM (12" x 25 cfm)
14"	350 CFM (14" x 25 cfm)

# OSHA Compliant Dust Director® Equipment

Dust Director® Vacuums & Cyclones with 1, 2 & 3-Motors

Provides 140-447 Maintained CFM, HEPA (washable) Filtration & Efficiency Rating, No Dust Emission Compliant



Clean Extreme Breathable Cloth Filter Collection Bags - Outside of the bag stays clean, HEPA cartridge filter stays clean, tank stays clean, CFM Maintained.



Clean Extreme Washable
HEPA Cartridge Filter - Dry
& Wet Use, Completely
Washable Cartridge Filter
with Dust & Water
Shredding PTFE Membrane.



3-Stage Cyclonic Filtration
- With NO Filters to Clog there
is NO Suction Loss ~ EVER!
Plus NO Electronics, Filter
Pulsing or Work Stoppages to
Clean any Filters!



Poured In-Place Pliable Urethane Gasket - Form fitting gasket prevents dust emissions plus increases CFM without using larger motors.

## Dust Director® Dust Control Guards —

Versatile, Durable – Provides Complete Visibility & Containment Efficiency



**Dust Director**® - 4" to 6" Blade Capacity, 1-5/8" depth-of-cut.



**Dust Director®** - 4" to 7" Blade Capacity, 2-1/4" depth-of-cut.



**Dust Director®** - 12" Blade Capacity, 4-1/4" depth-of-cut.



**14" Gas Dust Director**® - Installs onto gas cut-off saws.



Glitter Bit Dust Controller -Diamond router bits for detailed grinding & cutting.



Ventilation & Containment - 16" & 24" Power Blowers



Hot Rod Dustless Saws -Concrete & Paver Cutting Joint Sealant Removal Crack Chasing



Professional Surface Dust Guards - 5" & 7"

ANSI & OHSA B7.1 STANDARD. All Dust Director® guards, vacuums and filter systems comply to the ANSI & OHSA Standard B7.1 for compliance to OSHA's Silica Dust Regulation, 78 Federal Regulation 56274.

In dust control studies various controlled and uncontrolled tools were evaluated for their effectiveness in capturing or containing silica dust particles in a work environment. Computer measured test results have shown that not only was the **Dust Director**® effective in containing silica dust but its results were **better** than dust control systems that used **water**.