

Effectively Control Silica Dust Exposure with Nilfisk Solutions

*Floor
to
Ceiling
cleaning*



Practicing Proactive Silica Dust Housekeeping

- assists with meeting new OSHA minimum exposure limits

Industrial Scrubbers and Sweepers

Effective Dust Control

Advance Industrial scrubber and sweeper technology plays a key role in reducing silica dust exposure to help you stay compliant. When addressing your written control plan, you can be confident in Advance dust control to get the job done when addressing your floors.*

Benefits of Industrial Scrubbers and Sweepers

Advance scrubbers and sweepers are effective, easy to use and built for the industrial environment. Our innovation is proven to be effective, and will play a key role in increasing your level of safety and compliance.

- **Wet method cleaning solutions**
 - Full line of scrubbers for cleaning floors, helping to limit exposure and supporting your overall control plan
 - Combination (scrubber and sweeper) machines available for higher volumes of material and superior level of cleaning
 - DustGuard™ option captures fugitive dust at the side broom with a fine water spray, reducing airborne dust
- **Full line of sweepers designed to control dust exposure**
 - DustGuard™ option captures fugitive dust at the side broom with a wet mist, reducing airborne dust
 - DustClear™ 5-Stage Dust Control System captures and removes fugitive dust
 - Dust filtration captures submicron particles. Filters are 90% efficient on particles down to 3 microns

Applications

- | | |
|----------------------------|--|
| • Construction | • Ready-mix concrete |
| • Glass manufacturing | • Cut stone and stone products |
| • Pottery products | • Maritime |
| • Structural clay products | • Hydraulic fracturing for gas and oil |
| • Concrete products | • Asphalt products manufacturing |
| • Foundries | |
| • Refractory products | |
| • Landscaping | |

Industrial Vacuum Cleaners

Efficient, Compliant Dust Control

In June 2016, OSHA released an updated standard that set a new, dramatically-reduced Permissible Exposure Limit (PEL) for silica dust.

Nilfisk industrial vacuums with HEPA filtration play a key role in reducing silica dust exposure to help you stay compliant. All Nilfisk HEPA filters are DOP-tested and certified to capture 99.97% of particles down to 0.3 microns. Nilfisk also offers filter-cleaning systems required by the new standard.

Benefits of Portable Industrial Vacuums

Nilfisk industrial vacuums are reliable, simple to operate, easy to maneuver and require virtually no maintenance. They guarantee a thorough cleaning and collection so you get the job done right the first time.

- Control respirable dust with contaminant-free exhaust via HEPA/ULPA filtration that captures even the finest dust down to 0.3 microns
- Portable vacuum systems move easily throughout your facility
- Low noise level increases worker communication, comfort and compliance to noise exposure limits
- Easy dumping and safe handling of hazardous dust reduces worker exposure
- Available with additional containers via clamp and bracket systems for safety and portability
- Vacuum-assisted power tools including sanders and grinders that capture hazardous dust at the source
- Hard-wire vacuum systems to run when other equipment runs
- Safe collection & disposal of foreign object debris (FOD)

Applications

- Pit and bulk area clean-up
- Overhead cleaning of pipes, beams, mezzanines
- Collection of molding sand and debris around process equipment
- Engineered or portable central vacuum systems

*Refer to specific OSHA guidelines



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Get to Know the OSHA Standard

OSHA Required Engineering Controls:

- Local Exhaust Ventilation (LEV)
- Substitute materials
- Personal protective equipment (PPE)
- Dust containment systems
- Wet methods
- High efficient particulate air (HEPA) filtrated equipment and vacuums
- Housekeeping procedures
- Written control plans

Approved Housekeeping Methods

HEPA-filtered Vacuums or Wet Methods ONLY!

The standard PROHIBITS compressed air, dry brushing and dry sweeping.

DEADLINES

Construction: June 23, 2017

General Industry: June 23, 2018

Hydraulic Fracturing: June 23, 2021

Combination Machine and Sweeper Dust Control



Stage 1

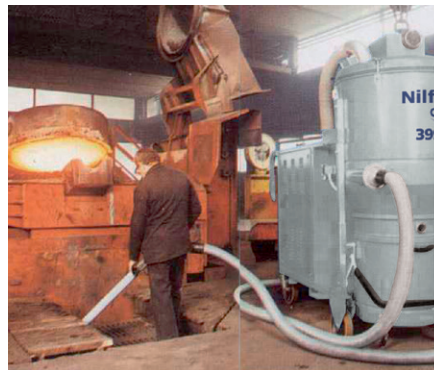
DustClear™ Five Stage Dust Control System

- Stage 1 DustGuard™ Side Broom**
"fog" system 14 gal (53 L) captures majority of fugitive dust at the broom.
- Stage 2 Vacuumized Main Broom Chamber**
Captures all dust kicked up from the main broom.
- Stage 3 Airflow Labyrinth**
Removes 90% of dust from the air stream.
- Stage 4 Ultra-Web® Nanofiber Filter**
>98% efficient on 0.3 - 1.0 micron particles.
- Stage 5 Airflow Restoration System**
Liberator™ aggressive, multi frequency vibration filter shaker.

Stay Compliant with Industrial Vacuum Solutions



BULK DUST & DEBRIS CLEANING



PIT CLEANING



HOPPERS & CONTAINER OPTIONS

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