

CleanSpace®

R E S P I R A T O R S

PROTECTING PEOPLE WORKING WITH SILICA DUST

There are common industrial activities where people are frequently and regularly exposed to respirable crystalline silica, the most notable are quarrying, excavation, construction, mining, tunnelling and abrasive blasting.

Silica dust is harmful when inhaled deep into your lungs. It is 100 times smaller than a grain of sand, so small it can be inhaled without knowing. Respirable crystalline silica exposure can cause silicosis, a debilitating and irreversible lung condition that can cut short careers, reduce quality of life and lead to death. Respirable silica is also linked to lung cancer, chronic obstructive pulmonary disease (COPD), and kidney disease.

RESPIRATORY PROTECTION

To guard against silica exposure, Occupational Safety and Health regulators have moved to recommending staff wear powered respiratory protection using a minimum of a P2 filter. CleanSpace respirators meet and exceed these requirements with a P3 filter.

CRYSTALLINE SILICA – THE RISKS

- Silica dust is 20 times more toxic than coal dust and is one of the most abundant minerals found in the earth's crust
- Silicosis, caused by respirable crystalline silica, is an incurable progressively disabling, and potentially fatal lung disease
- Types of silicosis: Chronic – 10+ years exposure; Accelerated – 5 - 10 years high exposure; Acute (fatal) - weeks to months very high exposure
- Accelerated outbreaks of silicosis in workers
- Silica dust concentrations averaged over a nominal 30min period: 600 $\mu\text{g}/\text{m}^3$ (wet blade with local ventilation) & 44,000 $\mu\text{g}/\text{m}^3$ (dry blade)¹
- OSHA recommend restriction of exposure to crystalline silica of 100 $\mu\text{g}/\text{m}^3$ (maximum average airborne concentration of a crystalline silica when calculated over an eight-hour time weighted exposure)

CleanSpace®

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A REVOLUTION IN RESPIRATORY PROTECTION

CLEANSPACE RESPIRATORS FOR PROTECTION AGAINST CRYSTALLINE SILICA DUST

LIGHTWEIGHT (500g)

- Portable and easily transported in tool boxes and vehicles

COMPACT

- No belts, cables or hoses for easy movement in critical situations

COMFORT

- Cool air and no fogging

HIGH-LEVEL PROTECTION

- Powered air purifying respirator P3/TM3. Half and full face mask options. Be prepared for any level of silica dust

WATER TOLERANT (IP RATING 66)

- Suitable for use with water applications (CleanSpace Ultra)

EASY SET UP AND USE

- Donned in under 15 seconds; Simple assembly; One-button start

SMART BATTERY

- Long run time. Up to 8 hours of continuous use. Rapid re-charge time in under 2 hrs

AIR-SENSIT® TECHNOLOGY

- Breath-responsive airflow; Adjusts 100 times per second

CLEAR COMMUNICATION

- Transparent silicone mask; Quiet motor

ROBUST, REUSABLE SYSTEM

- Shockproof with 2 yr warranty

CleanSpace® is the world's lightest powered respirator: delivering high protection from harmful airborne substances like silica.

- ✓ CE Mark & AS/NZS1716 Approved
- ✓ EN166 & ANSI Z87.1+ Impact Rated Protection
- ✓ Training tools and product specialist support available



RESPIRATOR & MASKS

PAF-0070	CleanSpace Ultra Power System (exc mask)
PAF-1010	CleanSpace™ Half Mask MEDIUM
PAF-0027	CleanSpace™ Half Mask LARGE
PAF-0033	CleanSpace™ Half Mask SMALL
PAF-1014	CleanSpace™ Full Face Mask MEDIUM / LARGE
PAF-1106	CleanSpace™ Full Face Mask SMALL

FILTERS & ADAPTOR

PAF-0035	CleanSpace Particulate Filter P3 Standard (pk 3)
PAF-0038	CleanSpace Filter Adaptor for large case filters
PAF-0037	CleanSpace™ Hi Capacity (HI CAP) Particulate Filter P3 (single)

ACCESSORIES

PAF-0057	CleanSpace™ Particulate Pre-Filter (Large Case Filters) (pk 20)
PAF-0058	CleanSpace™ Particulate Pre-Filter and Coverall (Standard Filter) (pk 20)
PAF-0049	CleanSpace™ Coverall (Standard and Large Case Filters) (pk 25)
PAF-0074	CleanSpace Cleaning & Storage Plug
PAF-1017	CleanSpace™ Full Face Mask Spectacle Kit
PAF-1018	CleanSpace™ Full Face Mask Tear off Visor Anti-Scratch Protectors (pk 10)
PAF-1024	CleanSpace Car Charger
PAF-1030	CleanSpace ELITE Head Harness for Half Mask (fabric)
PAF-0098	CleanSpace Docking Station (for 8 units)

Trial CleanSpace today, contact Customer Support to arrange a demonstration.
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