



This table is a guide to assist filter selection based on your application and hazard¹. **IMPORTANT:** Users should refer to the Safety Data Sheet (SDS) and establish the hazard concentration before selecting a filter.

INDUSTRY	APPLICATION	HAZARD	CLEANSPACE FILTER TYPE / CODE		
Construction	Cutting, Grinding: Concrete, Cement, Stone, Brickwork	Crystalline Silica & Concrete, Stone, Plaster Dust		HEPA	PAF-1037, PAF-1103, CST1004
	Applying Insulation: Glass	Particles		HEPA	PAF-1037, PAF-1103, CST1004
Mining	Metals	Iron, Copper, Steel, Uranium		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Precious Metals	Gold, Silver, Platinum		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Minerals	Crushed Stone, Cement, Gravels, Industrial Sand		HEPA	PAF-1037, PAF-1103, CST1004
Metal Work	Cutting, Grinding, Drilling: Metal (with ventilation)	Metallic or Rust Powder (Concentration Dependent)		HEPA	PAF-1037, PAF-1103, CST1004
	Soldering: Metal (without paste)	Smoke Particles		HEPA	PAF-1037, PAF-1103, CST1004
	Welding MIG, TIG, STICK: Aluminum (with ventilation)	Aluminum Oxide, Smoke, Ozone		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Welding MIG, TIG, STICK: Steel, Stainless Steel, Galvanized Steel	Metallic Powder, Metal Oxide Smoke		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
Pharmaceuticals	Compounding, Mixing Rooms, Clean Rooms	Particles, Dust, Fibers		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
Paint Work	Grinding: Paint, Lacquers & Anti-corrosion: Paint (including Chromium)	Fine Paint Particles		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Spraying & Varnishing	Solvent Vapor & Paint Particles (Concentration Dependent)		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Powder Coating	Fine Paint Particles		HEPA	PAF-1037, PAF-1103, CST1004
Woodwork	Sanding & Scraping Removal: Paint, polyester Resin, Lacquers & Adhesive (including chromium-based product)	Fine Paint Particles		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Cutting, Planting, Drilling: Wood (including beach wood & oak)	Wood Dust Particles		HEPA	PAF-1037, PAF-1103, CST1004
Asbestos	Inspection and Testing	Asbestos		HEPA	PAF-1037, PAF-1103, CST1004
	Stripping and Removal: Bonded and Friable	Asbestos		HEPA	PAF-1037, PAF-1103, CST1004
Agriculture	Cleaning: Animal pens & feed systems (silos)	Dust particles		HEPA	PAF-1037, PAF-1103, CST1004
Handling & Transport	Crystalline Silica (Hard Rock)	Crystalline Silica (Hard Rock)		HEPA	PAF-1037, PAF-1103, CST1004
	Lead Recycling and Abatement	Lead		HEPA	PAF-1037, PAF-1103, CST1004
	Bacteria, Spores, Biological Material	Bacteria, Spores, Biological Material		HEPA	PAF-1037, PAF-1103, CST1004
Emergency Response	Post Fire, Fire Investigation	Dust Particles, Organic Vapors, Acid Gases & Formaldehyde.		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Wild Land, Urban Firefighter	Respirable Dust, Crystalline Silica		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Police, SWAT, Investigations	Fentanyl, Cocaine, Methamphetamine		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Ambulatory	Bacteria, Spores, Biological Material, Aerosols		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²
	Disaster Restoration and Remediation	Mold, Lead, Asbestos, Dust, Silica		HEPA	PAF-1037, PAF-1103, PAF-1108 ² CST1004, CST1006 ²

- CleanSpace Technology accepts no liability for incorrect choice of respiratory protective equipment. This chart is an outline only. It is designed to assist in the selection of the most appropriate filter for particular applications. It should not be used as the only means of selecting respirator/filter combination. This guide does not release the user from the obligation to comply with national application regulations and laws and is not a substitute for adhering to and understanding the product instruction manuals. For selection of the correct respiratory protection equipment for your application, consult a safety specialist. **IMPORTANT NOTE:** Filtering respiratory protection devices should not be used in poorly ventilated areas or confined spaces, such as tanks, small rooms, tunnels or vessels. CleanSpace respirators should not be used in an environment classified as Immediately Dangerous to Life and Health (IDLH) or oxygen enriched atmospheres or flammable or explosive environments.
- CleanSpace High Efficiency (HE) Filters are a NIOSH approved particulate filter. The layer of activated multi-gas carbon provides Nuisance level relief from Cyclohexane, Sulfur Dioxide, Chlorine, Hydrogen Sulfide, Ammonia and Formaldehyde. NIOSH does not evaluate the effectiveness of Nuisance Odor Filters for the removal of Nuisance Odors. If used against Formaldehyde, this filter must be disposed of at the end of every shift. These filters are suitable for nuisance level exposure not exceeding OSHA PEL.

