CleanSpace®

RESPIRATORS

WWW.CLEANSPACETECHNOLOGY.COM

CLEANSPACE2™

NIOSH APPROVED
TC-21C-1065

REVOLUTIONARY
RESPIRATORY
PROTECTION

sales@cleanspacetechnology.com

CleanSpace®

RESPIRATORS

REVOLUTIONARY
RESPIRATORY
PROTECTION

Work Effortlessly & Comfortably

Over long periods with High Efficiency Particulate Air (HEPA) Filter Protection

SAFE

Fully certified positive pressure respirator with HEPA filtration efficiency (99.97%) ensuring maximum protection in the workplace. UP to 8 hours run time. TSI Portacount testing adaptors available.

WEARABLE

Easy to wear; Effortless and comfortable. No hoses or heavy belt mounted battery packs. Award winning lightweight design (less than 2lb) and lithium polymer battery delivers clean fresh air for a full shift.

SMART

Tough, reliable, cost effective; no servicing or maintenance and easy to clean; A simple one-button system; CleanSpace compact design provides compatibility with other safety equipment.

CLEANSPACE2™

Powered Respirator – HEPA
Light, with no hoses, belts or cables and no maintenance. Particulate Protection.

- High dust sites – quarries, mining
- Welding, grinding
- Maintenance and cleaning
- Timber and agriculture

Work effortlessly and comfortably with HEPA Particulate Fitration. Free online training.

CleanSpace is the only choice in protective masks due to its comfort and one-button simplicity. Filtration Efficiency 99.97% for particles 0.3microns and above. Protects against dusts, mists, fumes and radionuclides. Ideal for lead, silica, biohazards and other hazardous particulates. Now the choice in respiratory safety around the world.

Contact: sales@cleanspacetechnology.com

FIND THE RIGHT CLEANSPACE FILTER

This table is a guide to assist filter selection based in your applications.[1] A user should refer to the Material Data Safety Sheet (MSDS) and establish the concentration before selecting a filter.

INDUSTRY	APPLICATION	HAZARD	RIBB	FILTER TYPE	CLEANSPACE FILTER CODE
Construction	Cutting, grinding: Concrete, cement, stone, brickwork	Crystalline Silica & concrete, stone, plaster dust		HEPA	PAF-1103 & PAF-1003
	Applying insulation: Glass & mineral fiber	Particles and fibres		HEPA	PAF-1103 & PAF-1003
Metal Work	Cutting, grinding, drilling metal (with ventilation)	Metallic or rust powder (Conc Dependant)		HEPA	PAF-1103 & PAF-1003
	Soldering (without paste)	Smoke particles		HEPA	PAF-1103 & PAF-1003
	Welding MIG, TIG, STICK: Aluminium (with ventilation)	Aluminium oxide, smoke, ozone		HEPA	PAF-1103 & PAF-1003
Paint Work	Grinding: Paint, lacquers and anti corrosion paint (inc chromium)	Fine paint particles		HEPA	PAF-1103 & PAF-1003
	Spraying & varnishing: isocyanates	Solvent vapour and paint particles (Conc. Dependant)		SUPPLIED AIR	
	Powder coating	Fine paint particles		HEPA	PAF-1103 & PAF-1003
Wood Work	Sanding & scraping removal: Paint, polyester resin, lacquers & adhesive (inc chromium based)	Fine paint particles		HEPA	PAF-1103 & PAF-1003
	Cutting, planing, drilling: Wood (inc beechwood & oak)	Wood dust particles		HEPA	PAF-1103 & PAF-1003
Healthcare & Laboratories	Collection & Handling: Biological material	Particles or mist		HEPA	PAF-1103 & PAF-1003
	Clinical Setting: Infectious disease	Particles or mist		HEPA	PAF-1103 & PAF-1003
Agriculture	Cleaning: Animal pens & feed systems (silos)	Dust particles		HEPA	PAF-1103 & PAF-1003
Handling & Transport	Crystalline silica (Hard rock)	Crystalline silica (Hard rock)		HEPA	PAF-1103 & PAF-1003
	Lead recycling & abatement	Lead		HEPA	PAF-1103 & PAF-1003
	Radionuclides	Radionuclides		HEPA	PAF-1103 & PAF-1003
	Bacteria, spores, biological material	Bacteria, spores, biological material		HEPA	PAF-1103 & PAF-1003

1) CleanSpace Technology accepts no liability for incorrect choice of respiratory protective equipment. This chart is only an outline. 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. 2) CleanSpace offers two particulate filters: Standard and HiCapacity. HiCap filters require the adaptor (PAF-0038). 3) Filtering respiratory protection devices should not be used in poorly ventilated areas or confined spaces, such as tanks, small rooms, tunnels or vessels. CleanSpace2 respirators should not be used in oxygen deficient or oxygen enriched atmospheres or flammable or explosive environments.

1 POWER UNIT

CLEANSPACE2 PAPR (LOW PROFILE)
PAF-2034

2 FACE MASKS

PAF-0033
Small

PAF-1010
Medium

PAF-0027
Large

3 FILTERS

PAF-1103
High Efficiency (HEPA) Particulate Filter (3 Pack)

PAF-1003
Hi Capacity High Efficiency (HEPA) Particulate Filter (Single)

PAF-1108
Nuisance Odor Filter

OTHER ACCESSORIES

PAF-0099
Backpack (Black)

PAF-0074
Cleaning & Storage Plug Set

PAF-0025
Half Mask Adaptor for Quantitative Fit (Portacount) Testing

PAF-0049
Coverall (Standard and Large Case Filters) (pk 25)

PAF-0048
Charging Station for 10 motor units

PAF-1030
Elite Harness for Half Mask (Filter)

SPARES

PAF-0014
CleanSpace2™ Neck Pad Thick (spare)

PAF-0016
CleanSpace2™ Neck Pad Thin (spare)

PAF-0028
Half Mask Exhalation Valve Assembly (pk 2) (spare)

PAF-0030
CleanSpace2™ Head Harness (spare)

PAF-1100
CleanSpace2™ Battery Charger (spare)

4 FILTER ADAPTOR

PAF-0038

CLEANSPACE PAPR SUPPLIED PARTS

CleanSpace Respirators are sold as a system excluding the mask.

Parts that are included with the Respirator:

1. CleanSpace Power Unit with High Efficiency (HEPA) Particulate Filter
2. Neck Pad (thick and thin) or Neck Support (small, medium and large) *(model dependant)*
3. Head Harness
4. Battery Charger
5. Flow Test Cap (yellow) and Seal Check Cap (red)
6. CleanSpace storage bag
7. User Instructions

The masks are sold separately from the CleanSpace respirators.

CleanSpace2 PAPR Start Kit (PAF-1034)

Includes the above parts with the addition of the filter adapter (PAF-0038) and EXCEPT the standard HEPA particulate filter (NIOSH Pending) has been replaced with the NIOSH approved high capacity HEPA particulate filter (PAF-1003).

NIOSH approved
TC-21C-0957

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CASE STUDY

A leading construction materials company was using disposable masks to protect their staff from silica dust in their hard rock quarries and cement processing plants. With disposable masks, their operators complained about breathability, fogging, stale air and grit in their mouths/nose at the end of the shift. The safety managers had issues fitting staff with stubble and site managers knew many of their operators were changing the disposable masks frequently (3 – 4 times through the shift) to reduce the discomfort of hot, moist masks on their face. Recently the Occupational Safety guidelines changed for crystalline silica to recommend respirators be worn and staff be TSI Portacount fit tested to ensure proper fit. Faced with poor compliance for disposables or expensive, cumbersome traditional belt mounted PAPRs, the company trialled **CLEANSPACE™** – an innovative lightweight PAPR.

Trial results for **CLEANSPACE™** Respirators delivered significantly improved operator comfort and compliance with staff commenting on the lightweight design and cool airflow in the mask. **CLEANSPACE™** portacount testing results were consistently and reliably high across the team. Site managers evaluated the costs for **CLEANSPACE™** PAPRs compared to the disposable masks and traditional PAPRs: With the **CLEANSPACE™** filter alarm and active airflow, operators only changed the filters when required (every 2 weeks) significantly more cost effective compared with other respirators.

The Construction Company deployed the **CLEANSPACE™** PAPRs to all operators on all their sites because **CLEANSPACE™** offered cost effectiveness (50% lower than the disposables), fewer parts (no cables, hoses or battery packs) and a simple operating system (easy training). **CLEANSPACE™** is now used by the global leaders in construction around the world and successfully deployed in over hundreds of hard rock quarries and used by thousands of staff every day.

MASK CATEGORY	MASK PRESSURE	PROTECTION LEVEL	HAZARDS/ FILTERS AVAILABLE	UNIT PRICE	MONTHLY INDICATIVE FILTER USAGE PER OPERATOR	AVG PRICE PER FILTER	ANNUAL FILTER COSTS PER OPERATOR	ANNUAL MAINTENANCE & SPARES	ANNUAL TOTAL COST OWNERSHIP
PAPR – Brand X	Positive	P100/HE 99.97%	Dust	$1,672	1.3	$45.00	$702	$235	**$2,609.00**
PAPR – Brand Y	Positive	P100/HE 99.97%	Dust	$1,216	1.3	$53.33	$832	$302	**$2,350.26**
PAPR – Brand Z	Positive	P100/HE 99.97%	Dust	$1,491	1.3	$60.00	$936	$302	**$2,729.00**
PAPR – CleanSpace	Positive	P100/HE 99.97%	Dust	$600	2.0	$21.00	$504	$100	**$1,204.00**
Disposables – Fold flap Valve	Negative	N95 95%	Dust	–	80	$4.55	$4,368	–	**$4,368.00**
Disposables – No valve	Negative	N95 95%	Dust	–	80	$2.00	$1,920	–	**$1,920.00**

"The cool airflow on my face and light face piece with the CleanSpace mask, I no longer get headaches or tired during my shift." ***– Loader Operator***

"We have had CleanSpace masks on site for over 2 years. The guys love them and the masks are easy to carry and put so the guys actually wear them and I don't have to remind them." ***– Site Manager***

"Our whole team has a CleanSpace PAPR. I know with this PAPR, they are well protected and have the freedom to move while they work." ***– Safety Manager***

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Specialists In Personal Respiratory Protection

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