CYAGO

Drying & blowing solutions

PERSONNEL CLEANING BOOTHS

If you have employees moving between dusty work areas to clean-zones, the installation of a JetBlack Safety Personnel Cleaning Booth will allow them to quickly remove residue dust, powder or contaminant from all PPE and work-wear clothing.

The Personnel Cleaning Booths are guaranteed to meet or exceed OSHA requirements. They operate by utilising high-velocity, low-pressure air that is effective in dislodging all materials from clothing. This system is much faster and easier to use than alternative vacuum systems.

More importantly they avoid many of the issues associated with compressed air which has the potential to be very dangerous in this type of application due to the high air pressures involved.

For further information, please refer to our 'Dangers of Compressed Air' fact sheet.

CYAGO Drying & Blowing Solutions
Cotton Factory – Spinnerijstraat 103 bus 3
8500 Kortrijk – Belgium
Info @cyago.eu – www.cyago.eu

PERSONNEL CLEANING BOOTHS

Simple by Design:

The JetBlack Safety Cleaning Booths are self-contained, de-dusting systems which remove, extract and collect dust and debris from employees' dirty work clothes within a 20-30 second time frame.

Suitable for indoor and outdoor use (with additional covers), these stand-alone systems significantly improve the health of workers by providing quick and effective methods for cleaning dusty clothes.

Key Features:

- Safe and easy to operate/maintain
- Modular construction
- Powerful 'air shower' effect
- **Standard version**- integrated JetBlack Safety Cleaning technology
- **Hands-free version**- 6 nozzle reciprocating motion air delivery system
- Includes option of stand-alone extractor
- Indoor/Outdoor walk through options
- HEPA H14 filter as standard

Typical Applications:

- Quarrying / Stone / Aggregate facilities
- Fibre moulding / Materials / Textile production
- Construction sites
- Bulk handling
- Wood working sites / Paper processing
- Foundry / Castings

Extraction Option:

Stand-alone Extractor:

The extractor is capable of handling most types of dusts and features a fabric pre-filter bag which is G4 rated. This protects the HEPA H14 filter ensuring longer lasting life and minimum maintenance.

Features include:

- Motor Power 1.5kW (1Ph, 230V, 50/60Hz as standard)
- 1,600m3/hr air flow performance (12 air changes/min)
- Supplied with HEPA H14 filter with a G4 pre-filter
- Low noise levels 74.2dB(A) @ 1m
- The pre-filter captures 80% of dust 10 micrometers (µm) in diameter
- The main filter cartridge captures > 99.995% of dust 0.3 micrometers (µm) in diameter

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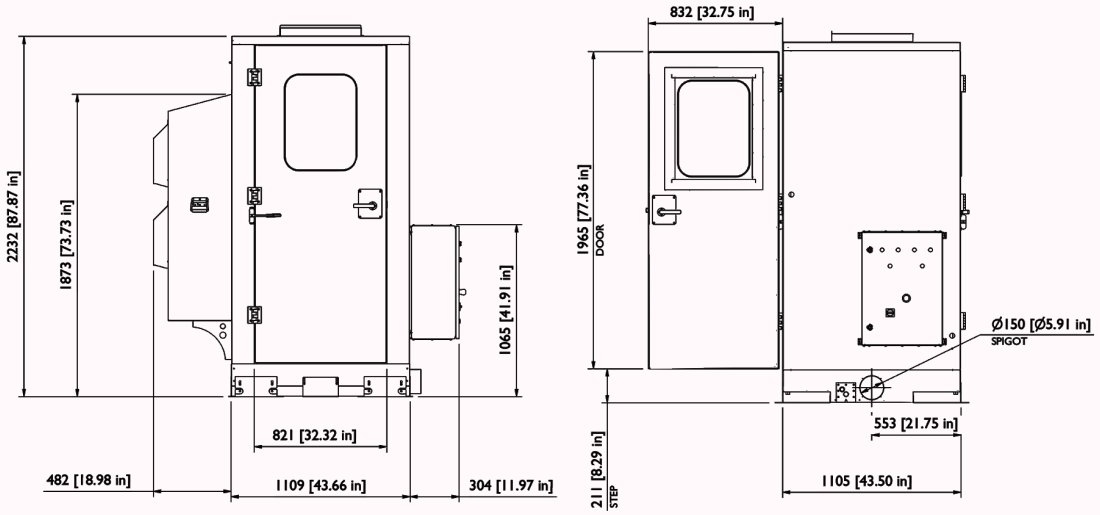
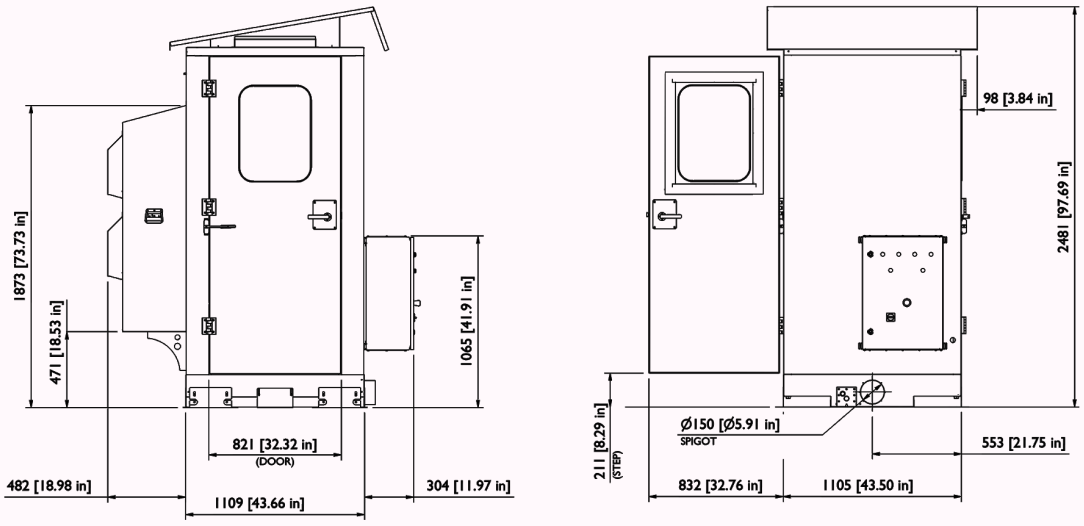
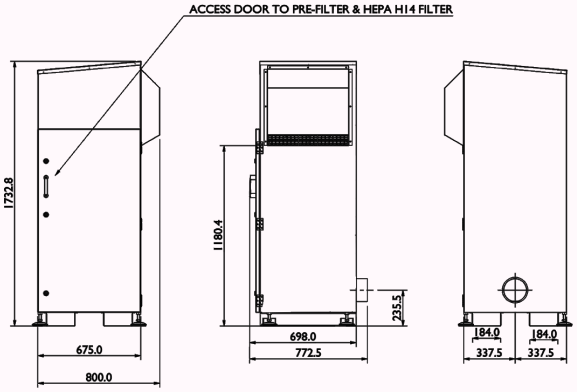
Outline Drawing - Internal Booth version:



Outline Drawing -External Booth version:



Outline Drawing -Extractor:



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How does the Personnel Cleaning Booth operate?

Step 1: Upon entering the booth, the interior light and cyclone extractor will automatically turn-on.

Step 2: Air is immediately drawn through the holes in the roof of the booth, creating an air-shower effect.

Step 3: To begin removing dust and contamination from clothing, the Cleaning Station needs to be switched on via the green start button. (This is pre-set to run for 30 seconds.)

Step 4: Any displaced dust is drawn down to the floor grille, extracted by a vacuum effect and collected by the dust extractor where it can be disposed of, or alternatively recycled

How does the Hands Free Cleaning Booth operate?

Step 1: Upon entering the booth, the interior light and cyclone extractor will automatically turn-on.

Step 2: Air is immediately drawn through the holes in the roof of the booth, creating an air-shower effect.

Step 3: To begin removing dust and contamination from clothing, the 6 reciprocating nozzles needs to be switched on via the green start button.

Step 4: Any displaced dust is drawn down to the floor grille, extracted by a vacuum effect and collected by the dust extractor where it can be disposed of, or alternatively recycled.

Step 5: Exiting the booth automatically stops the air flow. The extractor continues to run for a set time, and a filter agitator process begins.

Please note that the removal of debris and contaminants will produce airborne dust. This dust could be hazardous and present an inhalation risk to the user. Exposure to hazardous dust should be adequately controlled in line with the Control of Substances Hazardous to Health Regulations 2002 (COSHH).

We recommend that users implement suitable and adequate engineering controls for the airborne dust released such as extraction and the use of a down flow booth, respiratory protective equipment (RPE) and PPE. Users must wear appropriate eye, ear and respiratory protection at all times whilst operating the JetBlack Safety equipment.

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