

NIOSH-Compliant Personnel Air Shower

The **ONLY** NIOSH Compliant Personnel Air Shower System on the Market



HIGH-PERFORMANCE DUST & PARTICULATE REMOVAL FOR INDUSTRIAL & HAZARDOUS WORK ENVIRONMENTS

- Dual-stage filtration: MERV 8 pre-filters plus medical-grade HEPA filtration
- Balanced 2,500 CFM airflow for maximum dust removal efficiency
- Variable Frequency Drive (VFD) with soft start for reliable, controlled operation
- Consistent negative pressure throughout the entire cleaning cycle
- Modifications for outdoor installation are available
- Ability to flush mount to VES blast booth systems, paint systems and mix rooms

Engineered for Worker Protection & Regulatory Compliance

- ✓ **Proven Dust Removal:**
Up to 85% dust and particulate removal within 10 to 18 seconds, independently validated performance that meets NIOSH's performance standards
- ✓ **Engineered Safety Features:**
Compressed air directed below operator shoulders, constant negative pressure during cleaning cycles, and protocols designed for safe operation
- ✓ **Built for Real Operations:**
Mounted on durable steel skid for single point lift positioning. Modular design supports in-field modifications for any door configuration you need

WindDraft™ Technology

The NIOSH Difference

Developed in direct collaboration with NIOSH engineers, WindDraft™ airflow delivers controlled, high-efficiency contaminant removal while maintaining full containment

This isn't just compliance
It's the gold standard



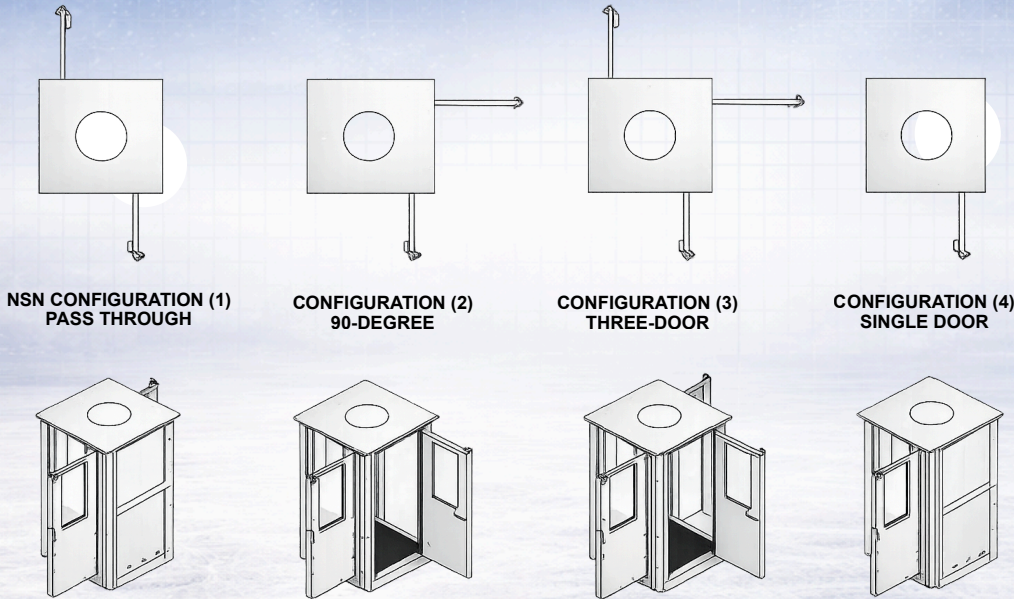
NSN: 4460-01-698-7874
 VES PN: 935-100-001
 CAGE: 7M9Y6

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Flexible Configurations for Any Facility Layout



NSN CONFIGURATION (1)
PASS THROUGH

CONFIGURATION (2)
90-DEGREE

CONFIGURATION (3)
THREE-DOOR

CONFIGURATION (4)
SINGLE DOOR

Available Options

- Configurations for outdoor installation:
 - Upgraded control panel to NEMA 4
 - Panel modifications for NEMA 4 rated transformers
 - Upgraded VFD
 - External awning covering the Air Shower assembly
- Supplemental door and wall panels to support additional configurations
- Dedicated compressor system and/or power generator for stand-alone operation
- Customizable to meet your unique environments

SYSTEM OVERVIEW

Shipping Dimensions: 54" W x 118.5" L x 109.5" H (booth, skid, and air tank)

Shipping Weight: 3,750 lbs

Electrical: Single point connection at system control panel, 3-phase connection, operable at 50HZ or 60HZ, electrical load: 17 amps @ 230V, or 9 amps @ 460V

Compressed Air: For continuous use, 185 CFM @ 90 PSI, 1 1/2" pipe connection recommended. Lower CFM can be used but can impact time between washing

Receiver Tank: ASME 240-gallon tank with a timed drain. Maximum pressure 150 PSI

Booth Enclosure: Door(s) and walls are fabricated out of 12-gauge steel on a rectangular tube frame

Entry / Exit Doors: Double-skinned door(s) 36" W x 84" H, complete with a heavy duty adjustable friction latch

Door Windows: 1/4" thick laminated safety glass window 20" W x 36" H

Booth Pressure: Maintains minimum of 0.2" WC negative pressure inside of booth when fan is operating

Floor: Diamond-Grip, open, non-skid galvanized grating for the floor

Control Panel: UL listed components housed in a NEMA 12 electrical control box with electrical disconnect

Air Flow: Balanced to 2,500 CFM @ 0.2" WC

Operator Controls (mounted inside booth):

- Fan/Light On/Off switch
- System Ready indicator light
- PPE Verification push-button
- Start Cleaning Cycle push-button

Blower: Class 2 sq. fan with 12" dia. aluminum backward-inclined blower wheel

Blower Motor: 5 HP, supports 2,500 CFM, 3 phase, 60HZ, TEFC Premium Efficiency Motor

Motor Controls: VFD with soft start, mounted externally from system control panel

Pre-Filters: Two UL class MERV 8 pre-filters, 24" x 24" x 2" thick pleated filters, minimum efficiency 75%-80% @ 3.0 to 10 Microns

HEPA Filters: Two UL class(1) 24"x 24" x 12" thick HEPA Filters, Grade A, with an efficiency of 99.99% minimum on 0.3 micrometer particles



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