

Systems for Training Environments



Clean Air America is a manufacturer of a complete line of industrial air filtration systems, perfect for welding smoke, fumes, oils and dust. Customized solutions are created by our expert design engineers and manufacturing professionals, so that even in heavy production you can have air that is clear.

GREEN FEATURES

- Longest filter life in the industry
- 100% recycled steel
- High-efficiency LED lighting
- True air cleaning means no ventilation to the outside
- Economizer: automatic start and shut down feature
- Motor: upgrade to a premium efficiency motor
- VF: upgrade to a variable frequency drive (VFD) with integrated soft starting feature

CLEAN AIR WELDSTATION™ BENEFITS

- Completely self-contained
- Flexibility
- Longest filter lifetime (up to two years)
- Increased welder safety
- Low noise level (normal conversation)
- Up to 80% energy savings

Available Options

Cellulose / Polyester Filter Media	Free Standing Fume Arm	Portable Weld Curtains
Nano Fiber Filter Media	Movable Vented Down Draft Table	Booth Height Extension
Premium Efficiency Motor	Custom Color Powder Coating	Integrated Compressed Air Connection
Variable Frequency Drive (VFD)	Clean Air Fire Suppressor™	Welding Booth Extension with Integrated Weld Curtain
Additional LED Light	Various Positioners Available	Table Mounted Tool and Storage Drawer
Clean Air Economizer™	Variable Position Tool Rack	Portable Non-Vented Plasma Cutting Table
Clean Air Silencer™	Booth Mounted Weld Curtain	Building Automation System and Central Control Panel

Fume Collectors for Training Environments

Call Praxair to ask how we can help you pick a suitable welding station.



FIRE PROTECTION

- Flame-Retardant Filter Material Integrated / removable spark arrestors : (2) 24 in. x 24 in. x 2 in. Metal Mesh; (2) 24 in. x 24 in. x 2 in. Spark Baffles
- Clean Air Fire Suppressor™ option

BLOWER AND MOTOR

- Blower: backward incline, air foil high efficiency
- Direct drive, no belts or chains
- 3 phase 208, 240 or 480 Volts powered
- 5HP 3,480 RPM motor

STANDARD FEATURES

- VFD: a variable frequency drive for soft start and increased motor life
- Economizer: automatic start/stop based on welding arc
- Electrical: NEMA 12 electrical Enclosure with integrated disconnect switch, motor starter, overload, and start/stop button
- Heavy duty construction: fully welded 12 gauge steel
- Table: three position adjustable work table

SPECIFICATIONS	WELDSTATION
FILTER CARTRIDGES	(4) 100% cellulose flame-retardant media
FILTER MEDIA	226 sq. ft. of media each, totaling 904 sq. ft. Of media
MOTOR/BLOWER	5 Hp, direct drive, backward incline blower
ELECTRICAL REQUIREMENTS	3 Ph: 208, 240, or 460 volt, 6 a - 19 a
AIRFLOW RATE	4,000 cfm airflow
BUILD-IN ARRESTANCE	(4) 24 in. x 24 in. x 2 in. metal spark baffle, (4) 24 in. x 24 in. x 2 in. metal mesh
PULSE VALVE	(2) 1 in. Pulsing valves, pulse controller for automatic or manual operation
REQUIRED COMPRESSED AIR	1 in. NPT compressed air connection; 70-90 psi required
SOUND LEVEL	Internal noise abatement in motor/blower compartment, 60 dB(A) - 74 dB(A)
WEIGHT	1,600 lbs. (standard dual with no options)
DIMENSIONS	Standard 5 ft. : 72 in. H x 58 in. W x 41 in. D

OPTIONAL FEATURES

- Weld curtain: better containment of smoke
- Riser: adds 12 in. to booth height
- Nano fiber filters: MERV 15 rated filter for increased filtration and life span
- Second LED light: additional lighting
- Positioners: overhead and floor mounted positioners available
- Other options: fume arm, down draft table, and tool drawer

WELDSTATION LEAF FEATURES

- Clean air exhaust on top of booth
- Electrical panel with start/stop button
- Three position adjustable table
- Intake baffles
- Filter access door

Specifications subject to change without notice. Consult your Praxair representative when ordering.