

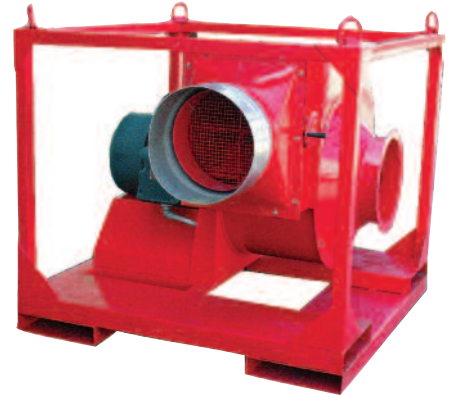


Custom Shipyard Products

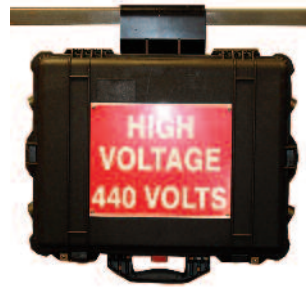
*Product Design Assistance from
Government and Private Shipyards*



*Shipyard Respiratory &
Confined Space Safety*



Do It Right The First Time



Off the Shelf Or Custom Solutions

*The Industry Leader in Breathing Air Filtration,
Portable Ventilation & Area Lighting*

E-Mail: Sales@airsystems.com
Toll Free: (800) 866-8100

Web: www.airsystems.com
Phone: (757) 424-3967

The Breather Box™

High Performance Portable Grade-D Breathing Air Filtration System

The Breather Box™ is a portable Grade-D filtration system designed to filter incoming air from a compressor to provide respirator users with Grade-D quality while monitoring for CO (Oxygen optional).

The first stage element filters bulk water and particulate. The second stage coalescing filter eliminates atomized oils, mists and ultra-fine particulates. The third stage filter removes organic vapors and odors. Filter drains and change indicators are standard on all three stages of filtration. Filtration efficiency is 99.99% @ .01 micron.

The standard carbon monoxide (CO) airline monitor operates on disposable 9-volt batteries, 8-16 volt DC, or 115 VAC for continuous air monitoring. An external audible alarm and light signals the workers of high CO content. A remote alarm jack is provided on all models except for Model BB15-CO.



The Breather Box™

Model No.	Description
BB15-CO	15 cfm Breather Box™, CO monitor - (30 cfm flow capacity) -1 coupling
BB15-CO2	15 cfm Breather Box™, CO monitor - (30 cfm flow capacity) - 2 couplings
BB30-CO	30 cfm Breather Box™, CO monitor - (48 cfm flow capacity) - 2 couplings
BB30-CO3	30 cfm Breather Box™, CO monitor - (48 cfm flow capacity) - 3 couplings
BB50-CO	50 cfm Breather Box™, CO monitor - (79 cfm flow capacity) - 4 couplings
BB75-CO6	75 cfm Breather Box™, CO monitor - (97 cfm flow capacity) - 6 couplings
BB100-CO	100 cfm Breather Box™, CO monitor - (123 cfm flow capacity) - 4 couplings
BB100-CO6	100 cfm Breather Box™, CO monitor - (123 cfm flow capacity) - 6 couplings
BB100-CO8	100 cfm Breather Box™, CO monitor - (123 cfm flow capacity) - 8 couplings
BB150-CO	150 cfm Breather Box™, CO monitor - (203 cfm flow capacity) supplied with 3 each 1/2" sockets
Carbon Monoxide and Oxygen Monitoring	
BB30-COO2	30 cfm Breather Box™, CO/O ₂ monitor - (48 cfm flow capacity) - 2 couplings
BB50-COO2	50 cfm Breather Box™, CO/O ₂ monitor - (79 cfm flow capacity) - 4 couplings
BB100-COO2	100 cfm Breather Box™ CO/O ₂ monitor - (123 cfm flow capacity) - 4 couplings

Please specify 1/4" Hansen style or Schrader style fittings when ordering. Other fittings available for an additional charge.

Intrinsically Safe Breather Box™

Model No.	Description
BB30-COIS	30 cfm Breather Box™ Intrinsically Safe - (48 cfm flow capacity) 2 couplings
BB50-COIS	50 cfm Breather Box™ Intrinsically Safe - (79 cfm flow capacity) 4 couplings
BB100-COIS	100 cfm Breather Box™ Intrinsically Safe - (123 cfm flow capacity) - 4 couplings (Optional 6 or 8 couplings)

Intrinsically safe approved models available for Class I, Division 1, Groups C and D environments. Units are 9VDC operation only



Custom Designed Breather Box™ Options

- Clear View Windows
- Independent Regulators to allow different respirators and lengths of hoses to be used simultaneously
- Fully Automated Reserve Air System
- Low Pressure Alarms

Contact Customer Service for Details



Point of Attachment (POA) Manifolds Independent Regulators

Four independent regulators allow each worker to adjust their desired pressure depending on the style of respirator and length of hose.

Remote Air Manifolds & Low Pressure Alarms Available

Custom Designed Filtration Systems

Air Systems' engineering and design team will manufacture a custom Grade-D breathing air system to meet your most stringent needs.



BACHP240NG
108"W x 118"H x 94"D

Custom Breathing Air Compressors

- Designed for deck or pier use to provide Grade-D breathing air year round
- Fully enclosed to prevent internal contamination from paint spray and sandblast grit
- Supplied with internal heat strips for cold weather operations
- Fully automatic back-up reserve air system to supply secondary air source in IDLH atmospheres
- CO monitor for local and remote alarming conditions
- Filtered intake air panels with replaceable filters
- 360° access service doors

All portable and fixed breathing air filtration systems meet or exceeds OSHA 1910.134 and Canadian Z180.1 breathing air standards



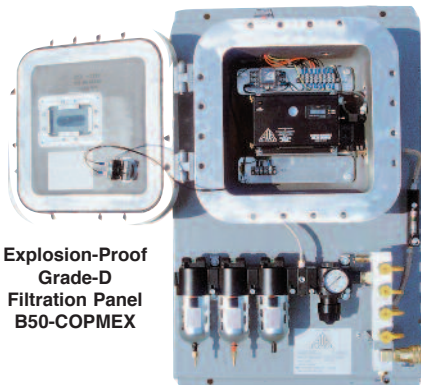
Complete Grade-D Breathing Air Packages Ready for Installation



Mobile Carts and Trailers

- Plant Breathing Air Filtration Carts
- Fully Enclosed DOT Trailer mounted filtration and compressor systems designed to meet customer specifications

Explosion-Proof Breathing Air Filtration System



Explosion-Proof Grade-D Filtration Panel B50-COPMEX

Explosion-Proof Remote Alarm 50-EXALPST

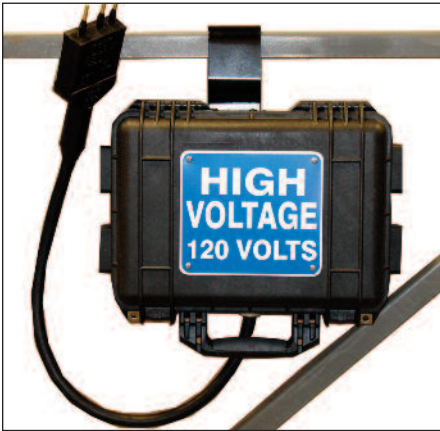


Custom POA with Low Pressure Alarm



Custom Portable Electrical Distribution Boxes

120 Volt Series



Specifications

- Watertight non-metallic case
- Circuit breakers available - specify amp
- 4ft. inlet cable with 3M50 male plug
- Specify number of duplex outlets
- 3 pole power distribution block
- Steel rail hanger bracket
- Duraline/Integro style connectors

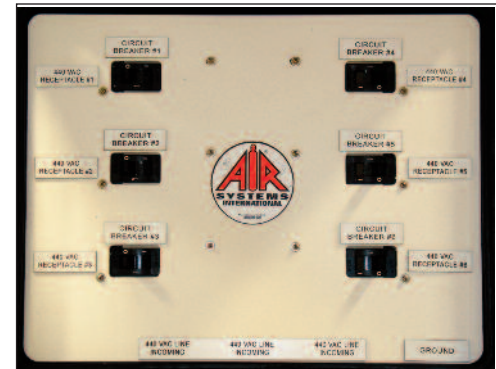


440 Volt Series



Specifications

- Watertight non-metallic case
- Color coded male inlet receptacles
- Specify number of female receptacles and amps
- Steel rail hanger bracket
- Duraline/Integro style connectors



Pneumatic HEPA Filtered Glove Box / Bag Negative Air Unit



Specifications

- Adjustable flow control ball valve
- DOP tested HEPA filter - meets UL-900 Class 2, 99.97% @ 0.3 micron, aluminum frame
- All aluminum 2-piece extrusion with DOP security slots provided
- Compact size
- Weighs less than 10 lbs.

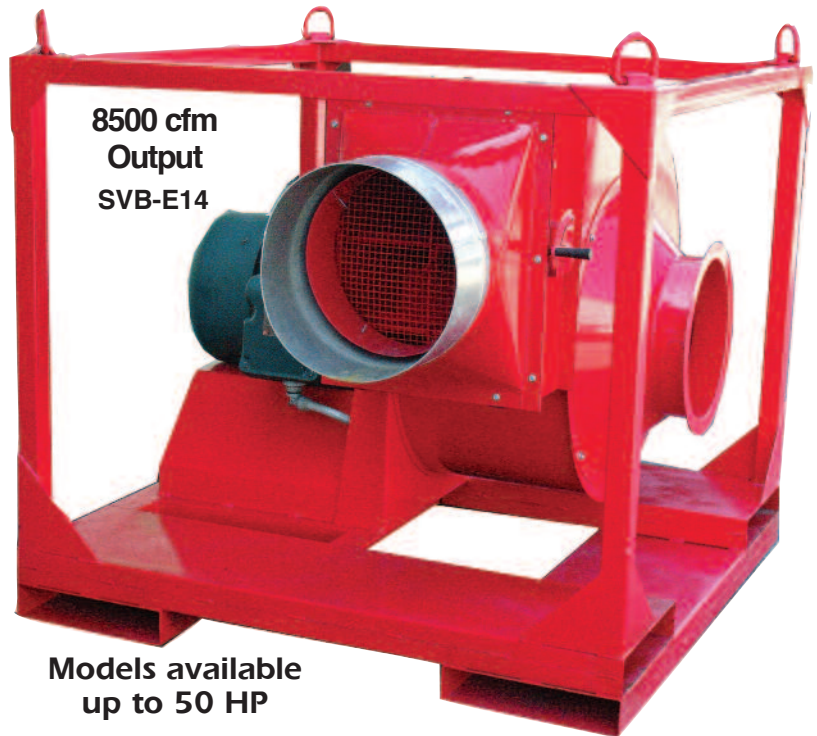
Shipyard Blowers

Large Centrifugal Blowers

Air Systems can design a custom blower to meet your most demanding requirements. Our blowers are used by steel mills, shipbuilding companies and power generating stations. Select from a wide variety and style of inlet and outlet flange sizes. The blower at right is a 15 HP electric with a 14" inlet and outlet flange set on a 4-way steel fork lift skid and designed to deliver high static pressure and high cfm output for maximum lengths of ducting.

Specifications:

- 8500 cfm free flow
- 13.9" W.G. static pressure @ 4200 cfm output
- TEFC 15HP motor
- Sealed NEMA 4 on/off switch box
- 230/460 VAC, 3-phase motor
- User wired per NEC requirements
- 14" intake and exhaust flange
- Welded steel safety guards on inlet and exhaust
- Adjustable flow control gate
- Forklift guide on all four sides plus sling hooks
- Custom variations available

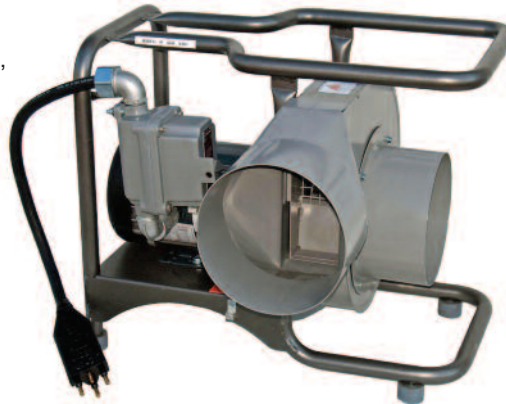


Models available up to 50 HP

Portable Explosion-Proof High Pressure Blower

Specifications

- UL approved Class 1, Div. 1, Groups C and D, Class 2, Division 1, Groups E, F, G
- Explosion-proof on/off switch (user wired)
- Aluminum non-sparking wheel w/ 6" inlet flange
- Steel mesh inlet and outlet finger guards
- Outlet adapter accommodates customer specified outlet sizes or order with specific outlet installed
- Dual handle steel frame
- Noise 79dbA @ 3ft. with duct installed
- Installed grounding lug for conductive duct



For Use In Hazardous Locations

Custom Small Portable 6" Pressure Blower Designed for Hazardous Location Ventilation

Electric Ventilation Heaters



Specifications

- Heaters operate with blower or fan only
- 8" inlet and exhaust flange
- Aluminum frame with steel control box
- Automatic start with blower running
- Built-in safety pressure switch
- Automatic thermal shutdown at 170°F
- 144°F output at exhaust, 112°F with 15' duct
- Order 3 ft. heater connect duct, Model NO SVH-3

All electric heaters are available with optional duct size flanges



SVF-15KW-8
32" L X 27" H X 37.5" W
95 LBS.

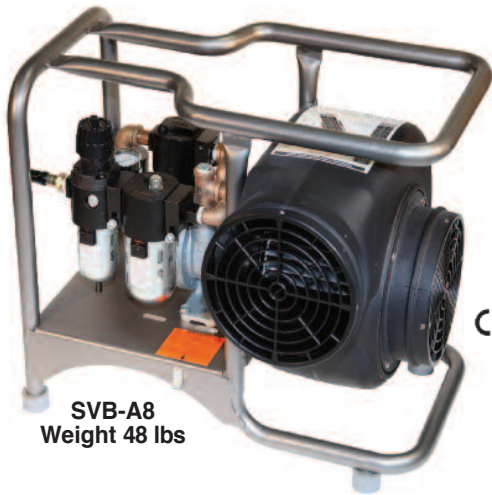
Model No.	Description
SVF-7KW-8	Electric 8" ventilation heater, 7kw, 230/1, 28 amps, 23,900 BTU - 30 amp plug
SVF-10KW-6	Electric 6" ventilation heater, 10kw, 440/3, 15 amps, 34,145 BTU - user wired
SVF-15KW-8	Electric 8" ventilation heater, 15kw, 440/3, 26 amp, 51,216 BTU - user wired
SVH-3	8" Diameter - 3 ft. Standard Duct - Yellow

Lightweight Portable Blowers

Pneumatic Air Powered Blower

Intrinsically Safe Operation

- 4HP air motor, operates from 10 - 100 psi
- Ultra-quiet operation – under 80 dbA
- Conductive Polyethylene fan housing
- Aluminum non-sparking blower wheel
- Static grounding lug installed
- Powder coat tubular steel frame with dual handles
- Adjustable flow output regulator
- In-line moisture separator/lubricator provided as standard
- Air Systems' unique muffler and oil coalescing filter installed at air motor discharge
- 8" intake and exhaust flange
- Molded conductive safety guards



SVB-A8
Weight 48 lbs

Contractor Grade Explosion-Proof Axial Fans

Specifications

- 8" Fan, 115 VAC, 1/3 HP
- 10ft. Power Cord
- Built-In Sealed On/Off Switch, No Plug, user wired per NEC requirements
- UL/CSA US Approved Explosion-Proof for Class I, Groups C and D, Class II, Groups E, F, and G environments
- Weight: 19 lbs.
- 974 cfm, free flow
- 786 cfm, 15 ft. duct, 1 - 90° bend
- 661 cfm, 15 ft. duct, 2 - 90° bends



CVF-8AC - Standard Electric
CVF-8EXP - Explosion-Proof

Inline Axial Fans

Specifications

- Use with 15 or 25 foot duct or inline as an air accelerator to run long lengths of duct
- Available in standard or explosion-proof electric motors
- Installed grounding lug on explosion-proof model
- Supplied with two in-line 8" to 10" adapters



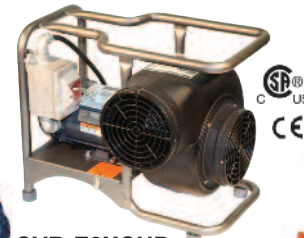
SVB-10E - Standard Electric
SVB-10EXP - Explosion Proof



Conductive Saddle Vent® Ventilation Kits for Hazardous Locations



SVB-E8XCUP



CVFEX15KIT
Kit Weight 64 Lbs

All Conductive Blower Kits Include:

- 1) Pneumatic or Explosion-proof Blower
- 2) Conductive Saddle Vent®- SV-189CND
- 3) 90° elbow for Saddle Vent®- SV-90CND
- 4) 15 ft. conductive duct - SVH-CND15
- 5) 6 ft. conductive duct - SVH-CND6
- 6) Duct canister (holds 50ft. of duct) - SVH-DC25
- 7) Universal mount - SV-UM



Conductive Saddle Vent® Ventilation Kits for Hazardous Locations



SVF-10EXCUP



Environmental Control

Pneumatic HEPA Vacuums - For Hazardous Locations



AV-15P-CND

Conductive Pneumatic HEPA Vacuums Safely Remove Potential Static Electricity Build-up

- Pneumatic spark free vacuum motor
- All aluminum non-sparking tools and 2-piece aluminum wand
- 10 ft., 1.5" Conductive Vacuum hose with cuffs (grounds to tank)
- Motor head has grounding wire attached to the recovery can
- 25 ft. ground wire is attached to the vacuum recovery can to attach to a grounded external device for static removal

Specifications

- Inlet Pressure: 1/2" I.D. hose - 80 psi
- Inlet Flow: 70 cfm required
- Vacuum Pressure: 250" water lift maximum, adjusted to 160" water lift with relief valve
- Vacuum Flow: 100 -170 cfm based on inlet pressure
- Noise Level: 75dbA @ 90 psi inlet pressure



AV-55P-CND

Note: AV-55P-CND is supplied with all ground wires connected, conductive hose, steel drum and a 55 gallon drum dolly

Model No.	Description
AV-2P-CND	2 gallon recovery, pneumatic motor, stainless steel tank, complete with wand, filters, accessory tools and ground wires
AV-5P-CND	5 gallon recovery, pneumatic motor, stainless steel tank, wand, filters, accessory tools and ground wires
AV-15P-CND	15 gallon recovery, pneumatic motor, stainless steel tank, cart, wand, filter accessory tools and ground wires
AV-55P-CND	55 gallon drum lid assembly with HEPA filter, 1.5" conductive 10ft hose, pneumatic motor, steel 55 gallon drum, drum dolly, filters, accessory tools and ground wires
AV-55DL	Drum lid includes 1.5" goose neck adapter (order motor, filters, and hoses separately)
AV-55DD	Drum Dolly - 55 gallon

Reusable Vacuum Air Motor Assembly

- Attached via .75" aluminum cam lock coupling
- Stainless steel in-line check valve
- 120 cfm vacuum flow air motor @ 80 psi and 25 Hg
- Air motor consumption 44 cfm @ 80 psi
- Air motor muffler/silencer on air discharge



VCM-120CV

Pneumatic Disposable HEPA Vacuum Canister

No Daily DOP Testing Required!

Leave Unit in Containment and Dispose of Canister when Full

Specifications

- 18 gauge steel DOT 14" diameter canister, 6-8 gallon capacity
- Weight 38lbs with air motor
- Bolt and lock nut lid ring with security tag slot
- 1.5" O.D. steel inlet pipe
- Installed 2-ply vacuum bag
- Dual handle steel lid support
- Steel vacuum motor support cradle with lock pin
- Stainless steel HEPA filter rated 110 cfm @ 1" W.G. - meets UL-586 and UL-900 ratings, HEPA filter manufactured per ASME AG-1 section FC requirements



VCF1415PNS

(Air Motor Assembly Ordered Separately)

Air-Light™ and Mini-Cube™

Portable Area Lighting Systems

The Air-light™ provides high power lighting in the most adverse conditions. Telescoping legs provide a stable platform to provide lighting in rugged terrain and/or high wind conditions. The unit has the ability to switch from internal battery to external DC power from a response vehicle for storm damaged areas and remote locations. The Air-Light™ is perfect when conditions are anything but perfect.

The Air-Light™

Model No.	Description
	Air-Light™ - LED
AL2CUBEBP	Air-Light™ - Dual Cube, 1600 lumens
AL4CUBEBP	Air-Light™ - Quad Cube, 3200 lumens

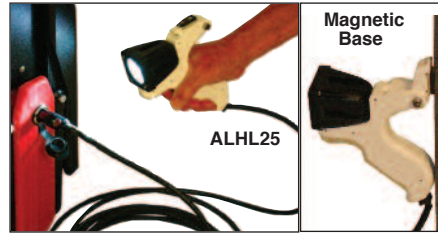
All Air-Light™ models include internal battery pack, 3 amp battery charger and cables.



Air-Light™ Applications

- Emergency Response Lighting
- Sewer and Water Repair
- Electrical Transformer Repair
- Construction & Maintenance

Power Port Connection



Additional
U.S. and Foreign
Patents Pending
D645,199
D644,089



Mini-Cube™

Traffic and Emergency Essential

The lightweight, high output Mini-Cube™ provides over 30 hours of runtime between charges. The water and dust tight 800 lumen LED head is multi-directional on an 8 foot retractable aluminum pole, to put light where you need it the most!

Mini-Cube™ Applications

- Elevated Area Lighting
- Emergency Response Lighting
- Flagger Lighting
- Small Enough Bucket Truck Use
- Sewer and Water Repair
- Construction & Maintenance



The Mini-Cube™

Model No.	Description
AL1MCBP	Mini-Cube™ - Single Cube, 800 lumens
AL2MCBP	Mini-Cube™ - Dual Cube, 1600 lumens
	Emergency Response Ventilation Kit
ERVK-15DC	Emergency Response Ventilation Kit. Includes Mini-Cube™, Model AL1MCBPC and Contractors DC Canister Fan, Model CVF15DCNBP
	Magnetic Hand-Held Single Cube Led Light
ALHL25	LED Hand Light, 25 foot cord with power port male adapter

All Mini-Cube™ models include internal battery pack, 3 amp battery charger and cables.

For Questions or To Place Order

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