The Breather Box®

The Breather Box® portable Grade-D air filtration system is designed to filter incoming air from a compressor to provide respirator users Grade-D quality air while monitoring for CO and / or O_2. Filtration efficiency is 99.99% @ 0.01 micron.

Specifications:
- Filter Change Indicators on All Filters
- Incoming Air Plug ½" Industrial Interchange
- 2 Automatic Drains with Discharge Tubes
- 3 Standard Power Options
- Carbon Monoxide (CO) Monitor Standard
- CO/O_2 Monitor Available for Additional Charge
- Remote Alarm Receptacle
- External Warning Lights and Alarm
- Safety Relief Valve
- Visual Air Flowmeter to Monitor

MADE in the USA

The Breather Box® - BB50-CO

Also Available:
- CO/O_2 Monitor
- Intrinsically Safe Versions
- Explosion-Proof Versions
- Auto-Air™ Reserve Air Systems

BB30-COPM

For Full Product Line and Specifications, Please See Our Master Catalog at www.airsystems.com

VIDEO ONLINE

Portable Grade-D Breathing Air Filtration with CO Monitor

| Model No.	Description
BB15-CO	15 cfm Breather Box®, 48 cfm flow capacity, 1 coupling
BB30-CO	30 cfm Breather Box®, 48 cfm flow capacity, 2 couplings
BB30-CO3	30 cfm Breather Box®, 48 cfm flow capacity, 3 couplings
BB50-CO	50 cfm Breather Box®, 79 cfm flow capacity, 4 couplings
BB75-CO4	75 cfm Breather Box®, 97 cfm flow capacity, 4 couplings
BB75-CO6	75 cfm Breather Box®, 97 cfm flow capacity, 6 couplings
BB100-CO	100 cfm Breather Box®, 123 cfm flow capacity, 4 couplings
BB100-CO8	100 cfm Breather Box®, 123 cfm flow capacity, 8 couplings
Panel Mounted	
BB15-COPM	15 cfm breathing air panel, 48 cfm flow capacity, 1 coupling
BB30-COPM	30 cfm breathing air panel, 48 cfm flow capacity, 2 couplings
BB50-COPM	50 cfm breathing air panel, 79 cfm flow capacity, 4 couplings
BB75-COPM	75 cfm breathing air panel, 97 cfm flow capacity, 4 couplings
BB100-COPM	100 cfm breathing air panel, 123 cfm flow capacity, 4 couplings

Custom Designed Breather Box® Options
- Clear Viewing Windows
- Independent Regulators
- Fully Automatic Reserve Air System
- Low Pressure Alarms
- Large Portable Systems up to 175 cfm

Please see our Master Catalog for replacement filters and calibration kits.

Point of Attachment (POA) Manifolds Independent Regulators

Please see our Master Catalog for Remote Air Manifolds, Low Pressure Alarms, and POA Options

Contact us at 1 (800) 866-8100 or sales@airsystems.com
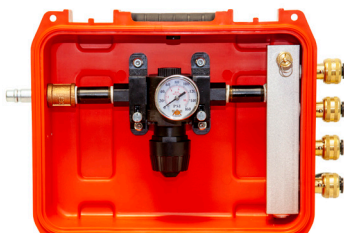
The Blast-Air™ Cart

Designed for the Commercial Sandblasting, Paint and Coatings Industry

Specifications:
- Filter Change Indicators
- Incoming Air Plug 1/2" Industrial Interchange
- 2 Automatic Drains with Discharge Tubes
- 3 Standard Power Options
- Carbon Monoxide Monitor Standard
- CO/O_2 Monitor Available
- Intrinsically Safe Versions Available
- External Warning Lights and Alarm
- Safety Relief Valve
- Specify Respirator Couplings
- Visual Air Flowmeter to Monitor
- Manifold Drain Valve
- Remote Alarm Receptacle
- Steel Cart with Pneumatic Tires

Cart Dimensions: 40" H x 20" W x 19" D
Cart Weight: 42 lbs.
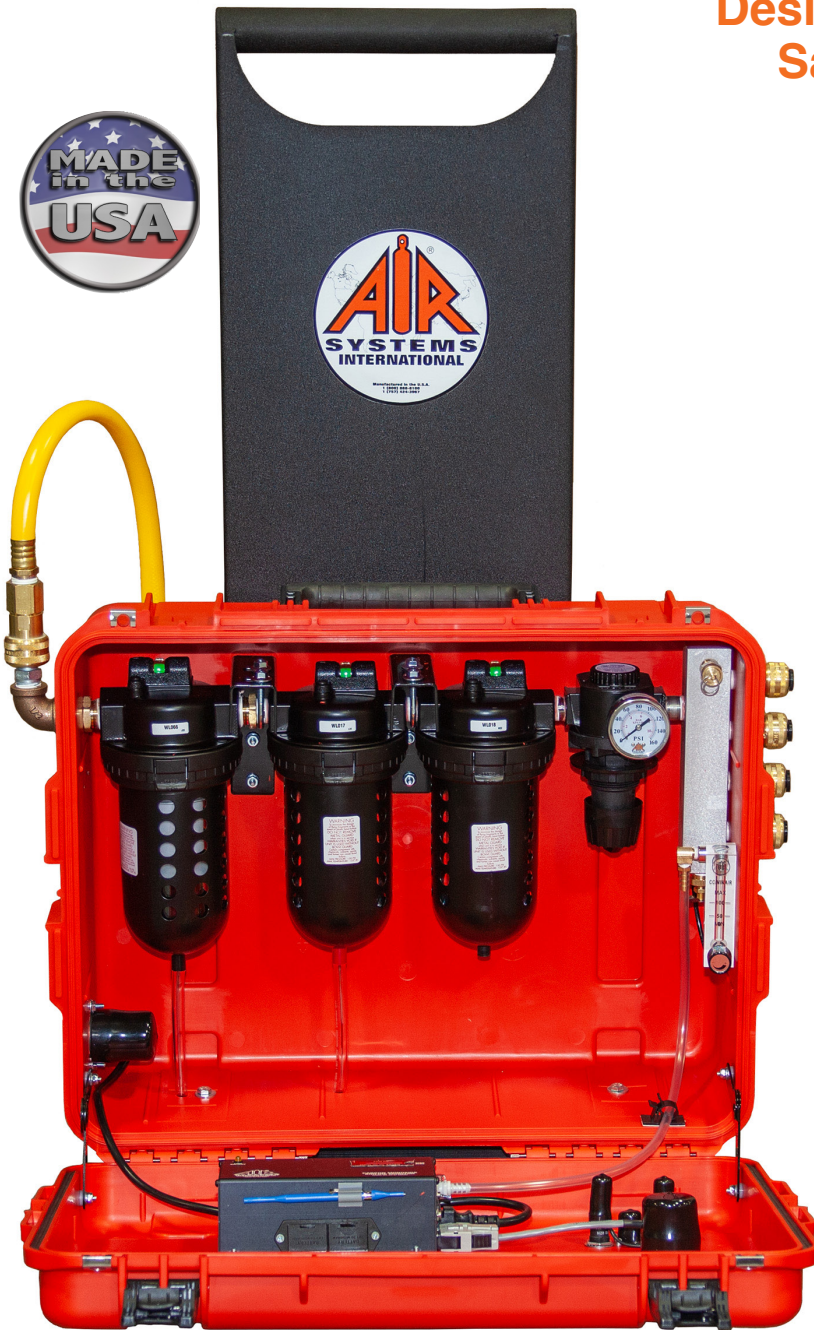
The Blast-Air™ Cart - BA-100

BA-1CAA

The Blast-Air™ Cart Featuring The Breather Box®

Model No.	Description
BA-30	30 cfm Blast-Air™ Cart, 48 cfm flow capacity, 2 couplings
BA-50	50 cfm Blast-Air™ Cart, 79 cfm flow capacity, 4 couplings
BA-75-4	75 cfm Blast-Air™ Cart, 97 cfm flow capacity, 4 couplings
BA-100-6	100 cfm Blast-Air™ Cart, 123 cfm flow capacity, 6 couplings
BA-100-8	100 cfm Blast-Air™ Cart, 123 cfm flow capacity, 8 couplings
BA-1CAA	Cart only with twin rear filters & connect hose

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

Two 300 cfm rear pre-filters with auto-drains save the Breather Box® filters, reduces equipment damage, and lowers maintenance costs.

Please see our Master Catalog for replacement filters and calibration kits.

Custom Designed Filtration Systems

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

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
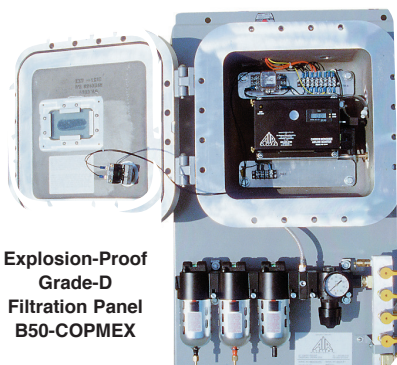
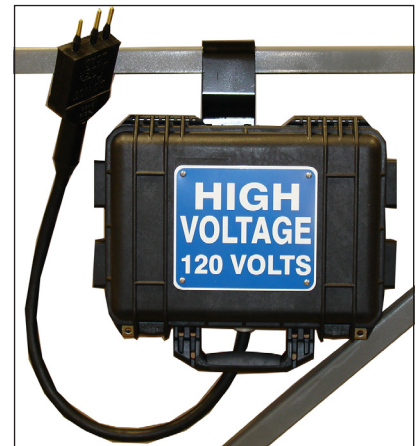**Explosion-Proof Grade-D Filtration Panel B50-COPMEX**

Explosion-Proof Breathing Air Filtration System

Explosion-Proof Remote Alarm 50-EXALPST

For Use In Hazardous Locations

Custom POA with Low Pressure Alarm

Custom Portable Electrical Distribution Boxes

120 Volt Series Power Distribution Boxes
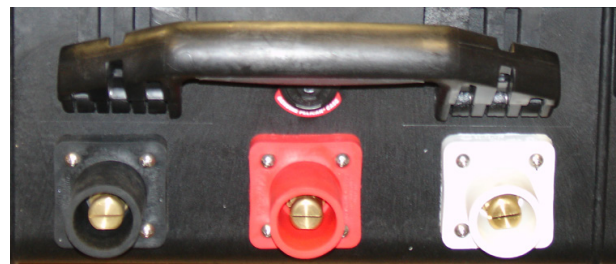

Specifications:
- Watertight non-metallic case
- Circuit breakers available - specify amp
- 4 foot inlet cable with 3M50 male plug
- Specify number of duplex outlets
- 3 pole power distribution block
- Steel rail hanger bracket
- Duraline/Integro style connectors
- Custom options available

440 Volt Series Power Distribution Boxes

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

Specifications:

- NEMA 3R Rated for outdoor use
- 480 / 208 VAC, 3-phase
- 120 VAC, 1-phase
- **Red Side** - 480 VAC, 690 AMP, Camlocks with Covers
- **Green Side** - 208 VAC, 400 AMP, Camlocks with Covers
- **Blue Side** - 120 VAC, 30-50 AMP, Mil-Spec Receptacles
- 75 kVA Transformer
- Breaker panel for each circuit
- Custom options available

Application

Use with portable electrical power distribution boxes

With NEMA 3R Cover Closed

Without NEMA 3R Cover

Custom Application Blowers

8500 CFM Centrifugal Blower

14" intake and exhaust flange, 230/460 VAC, 3-phase, TEFC, 15 HP motor, sealed NEMA 4 on/off switch box, user wired per NEC requirements, 13.9" WG static pressure @ 4200 cfm output, 8500 cfm free flow, welded steel safety guards on inlet and exhaust, adjustable flow control gate, forklift guide on all four sides plus sling hooks.

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
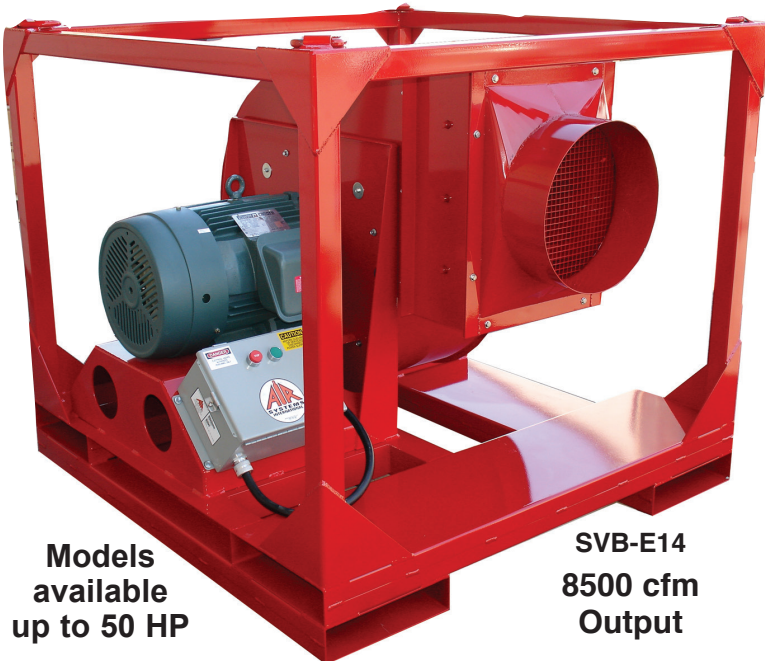
Models available up to 50 HP

SVB-E14 8500 cfm Output

Custom Options Available

Portable 6" or 8" Explosion-Proof High Pressure Blower

Specifications:
- UL approved Class 1, Div. 1, Groups C and D, Class 2, Division 1, Groups E, F, G
- 1.5 HP electric motor, 3 phase
- Explosion-proof on/off switch (user wired)
- Aluminum non-sparking wheel with 6" or 8" inlet flange
- Steel mesh inlet and outlet finger guards
- Interchangeable outlet adapters available
- Dual handle steel frame
- Noise 79 dbA @ 3 feet with duct installed
- Installed grounding lug for conductive duct
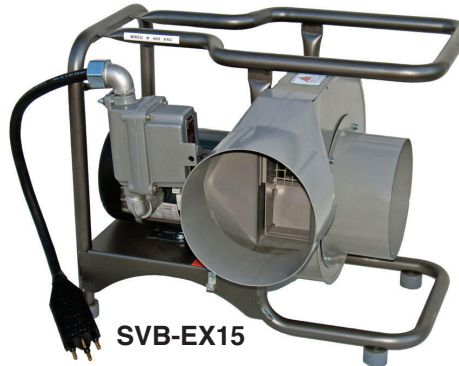
SVB-EX15

Custom Small Portable Pressure Blower Designed for Hazardous Location Ventilation. Contact Customer Service for Ordering Details.

For Use In Hazardous Locations

Electric Ventilation Heaters

Specifications:
- Heaters operate with blower or fan only
- 8" inlet and exhaust flanges
- 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 foot duct
- Order 3 foot heater connect duct (SVH-3)

Electric Ventilation Heater - 8" Duct Flange

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

SVF-7KW-8

Air Flow

27" L X 16" H X 15.5" W 40 lbs.
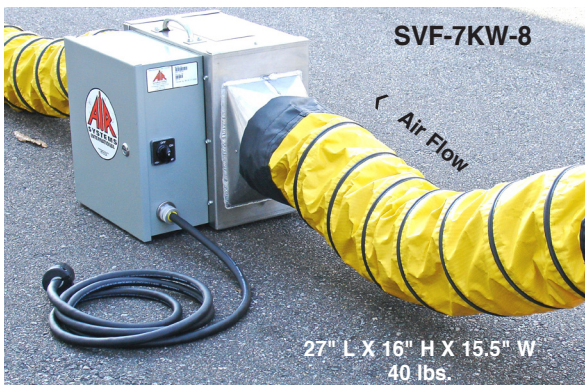
All electric heaters are available with optional duct size flanges

SVF-15KW-8
32" L X 27" H X 37½" W 95 lbs.

Portable Fans & Blowers

8" Pneumatic Centrifugal Blower
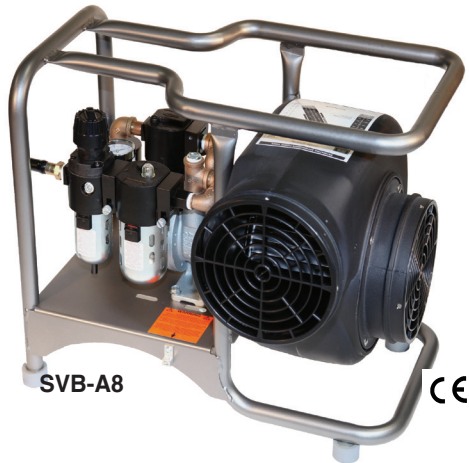
SVB-A8

Blower Selection Guide Video Available Online

VIDEO ONLINE

8" Explosion-Proof Electric Centrifugal Blower

For Use In Hazardous Locations
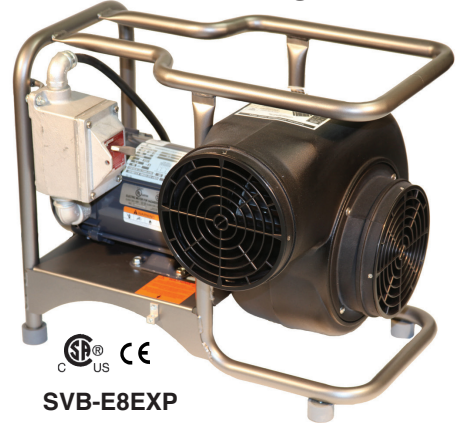
SVB-E8EXP

10" Explosion-Proof In-Line Steel Axial Fans

For Use In Hazardous Locations

SVF-10EXP

SVB-10EXP

SVF-10X220

Conductive Saddle Vent® Ventilation Kits for Hazardous Locations

SVB-E8XCUP

8" & 12" CVF Axial Fans, Canisters & Kits

CVF-8AC
8" Standard Electric

CVF-8EXP
8" Explosion-Proof

CVF-8EXP

CVF-8X220

Venturi Blowers

For Use In Hazardous Locations

ASI-1000

ASI-1200

ASI-2900

ASI-4100

8" & 12" CVF Axial Fans, Canisters & Kits

CVF12CAN25
8" Standard Electric

The Saddle Vent®

The Saddle Vent® takes up only 3 inches in a manhole opening and functions as a fresh air conduit to the workers in the confined space.

The Original Saddle Vent®

Model No.	Description
SV-189	The 8" Industrial Saddle Vent® - orange
SV-90	90° elbow - orange. Fits 8" Saddle Vent®
SV-18912-O	The 12" Industrial Saddle Vent® - orange
SV-UM	Universal Saddle Vent® mounting bracket - steel
For Non-Hazardous Locations	

The Conductive Saddle Vent®

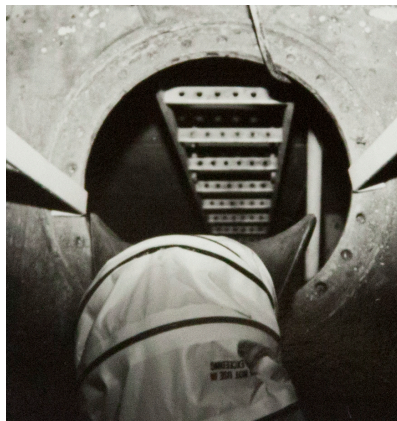| Model No.	Description
SV-189CND	The 8" Conductive Saddle Vent® - black
SV-90CND	Conductive 90° elbow - black. Fits 8" Saddle Vent®
SV-18912B	The 12" Conductive Saddle Vent® - black
SV-UM	Universal Saddle Vent® mounting bracket - steel
For Hazardous Locations	

Please see our Master Catalog for Ducting and Saddle Vent® Kits

SV-90

SV-90CND

SV-UM

VIDEO ONLINE

SV-189

SV-189CND

The Tank Saddle Vent®

The Tank Saddle Vent® is designed to provide fresh air ventilation to any ship space. The unique shape allows its use in entry ports while not obstructing entry or egress to the ladder. Its unique design fits 18" X 20" oval openings and 20"or smaller round openings. The Tank Saddle Vent® is grey polyethylene with fire retardant additives. **DOD approved for US Navy use.**

SV-189T

Fire Retardant

8" Tank Saddle Vent®

Model No.	Description
SV-189T	8" Tank Saddle Vent® - grey
SV-90T	90° elbow to fit 8" Tank Saddle Vent® - grey

Designed to fit 18"W x 20"L oval shipboard hatch openings.

Custom industrial sizes available.
Contact Customer Service for more information

LED Light Tower - *SLT-400K*

The Ultimate Area Light!

Light Heads:
- Dual LED Light – output total 403,200 lumen
- 201,600 lumens (1500 watt) per lamp head
- 120 VAC 1-phase, 60 hz (480 VAC optional)
- 120 degree beam angle per head
- 50,000 working hour rating
- Meanwell Industrial Driver
- IP 66 rating
- Each light panel 24" H X 36" W X 3" D
- 18/3 cable placed in separate sleeve adjacent to lamp mast
- Each independent lamp head moves up and down and left and right in 10 degree latching positions

Other Specifications:
- Red powder coat frame or other optional colors
- Sun light sensor to Auto-Shutoff unit during daytime
- Forklift guides on all 4 sides
- Four collapsible 5 foot steel stabilizer legs with leveling jacks
- Base dimension with legs extended 10'6" square
- Telescoping Steel Mast – 9' tall. Adjustable to 30' tall!
- Steel cable winch with hand crank and brake unit
- 360 degree rotating mast
- NEMA Rated Electrical Control Box

400K LED Light Tower

Model No.	Description
SLT-400K	LED Light tower - 400,000 Lumens

Raised Postion 30 foot Tall!

Dimensions:
Base Frame – 4' X 4', 3/8" Steel Frame

4000 total lumens
2 Lights per Unit
2 amps, 24 watts

MORE LUMENS!

9500 total lumens
2 Lights per Unit
7.5 amps, 90 watts

LIFETIME WARRANTY ON LIGHT HEADS

9800 total lumens
2 Lights per Unit
6.65 amps, 80 watts

All LED Lights Have a 60° Flood Beam Pattern

Light Head Specifications:
• IP-68 rated dustproof and waterproof
• Anodized aluminum frame with a polycarbonate lens
• Operating temperature: -40°F to 176°F (-40°C to 80°C)

Air-Light®

Air-Light® II

MADE in the USA

VIDEO ONLINE

The Air-Light®

Model No.	Description
AL4KBP	Air-Light®, LED lights, 4000 total lumens
AL9800BP	Air-Light®, LED lights, 9800 total lumens
All Air-Light® models include 22 amp battery, internal 3 amp battery charger, and charging cables	

The Air-Light® II

Model No.	Description
AL2-4K-35	Air-Light® II, LED lights, 4000 total lumens
AL2-95-35	Air-Light® II, LED lights, 9500 total lumens
AL2-98-35	Air-Light® II, LED lights, 9800 total lumens
All Air-Light® II models include 35 amp battery, internal 3 amp battery charger, and charging cables	

WARNING: This product contains a sealed lead acid battery which can expose you to chemicals including **Lead** and **Sulfuric Acid**, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

HEPA Vacuums

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

AV-55P-CND

For Use In Hazardous Locations

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

For Ordering Information and Additional HEPA Vac Products, Please See Our Master Catalog at www.AirSystems.com

Pneumatic Disposable HEPA Vacuum

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)

Pneumatic HEPA Filtered Negative Air Unit
For Glove Boxes and Glove Bags

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
- Replaceable filters
- Compact size
- 1.5" Inlet Flange
- Weighs less than 10 lbs.

Call for ordering details!

For Questions or To Place Order

Air Systems International, Inc.

Email: sales@airsystems.com
Catalog Request: catalog@airsystems.com
Toll Free USA and Canada: 1 (800) 866-8100
Phone: 1 (757) 424-3967

www.AirSystems.com