2019 Fire / Rescue Catalog

RESCUE AIR CARTS

AIR DISTRIBUTION

COMPRESSORS

AIR TRAILERS

AIR SYSTEMS INTERNATIONAL

Innovative Fire Service Products

Air Distribution Products
Rescue SCBA Carts
Breathing Air Accessories
Breathing Air Compressors
Breathing Air Trailers
Cascade Air Panels
Confined Space Ventilation
Portable Area Lighting

www.airsystems.com

MACK™ Systems
Multi Air Command Kits
Air Distribution for Breathing, Filling, and Rescue Applications

The MACK™ units have been designed as a series of portable air distribution boxes to meet the most demanding air handling needs of the Fire, Rescue, and Emergency Response industry. Each unit has been designed and tested by professional firefighters to meet the rigorous industry and NFPA requirements.

All MACK™ Series units start with the MACK-1™ basic functions. One or two SCBA cylinders provide air to the system. A CGA-347 high pressure inlet is also provided to allow continuous operation from truck mounted air cylinders. A low pressure regulator provides 0-125 psi air to a four outlet respirator manifold. A low pressure alarm whistle and a DC lamp to illuminate the case interior are provided standard.

All models have been manufactured to provide emergency low pressure breathing air from either SCBA cylinders or from a bank of large storage cylinders located on department vehicles. More advanced models offer multiple air pressure regulators for confined space rescue operations, mid-range pressure for rescue tool devices, and high pressure emergency air cylinder filling systems. Choose a standard MACK™ unit to fit your needs or call our Customer Service Department to design a unit for your special air handling applications.

The MACK-2™ is ideal for emergency refilling SCBA cylinders from aerial command stations.

For Use In Hazardous Locations

MACK™ Series

MACK-1

Item No.	Description
MACK-1	4-outlet manifold, 5000 psi regulator, 2 high pressure cylinder whips, 1 H/P inlet port, L/P alarm whistle
MACK-2	MACK-1 with the addition of a high pressure fill regulator and 1 fill whip (optional 2nd fill whip available for installation)
MACK-3	8 L/P respirator/tool outlets (0-150 psi), 3 medium pressure outlets (0-250 psi), 4 H/P inlet whips, 1 H/P CGA-347 inlet and pressure cap, L/P alarm whistle, optional fill regulator and hose
MACK-3FA	Fill regulator assembly for MACK-3, includes 5 foot fill hose

Cylinders Not Included. See Page 6.

MACK-NFPA™ Rescue Series
Specifically for Confined Space Rescue Teams

The MACK-NFPA™ series has been developed specifically for Fire/Rescue teams working under NFPA guidelines. The NFPA version of the MACK™ unit comes in two standard models. Each has two separate regulator/manifold systems and two SCBA connect whips provided for each regulator. In the event of a regulator malfunction, rescue can be performed on the standby regulator system. The basic unit described above, model MACK-NFPA1, can have a regulator isolation valve added to allow one or both air sources to be used simultaneously; this addition forms the model MACK-NFPA3 which has a CGA-347 high pressure inlet included.

MACK-NFPA™ Series

| Item No.	Description
MACK-NFPA1	Dual independent regulators with 3-outlet manifolds, dual low pressure alarms, 4 each 5 foot connect whips
MACK-NFPA3	MACK-NFPA1 with the addition of a regulator isolation valve and CGA-347 H/P inlet and cover cap

MACK-NFPA3

Cylinders Not Included. See Page 6.

The MACK-3™ System
Designed and Tested by Fire & Rescue Professionals

Three separately regulated air systems provide a portable air distribution package for any pressure requirement.

The MACK-3™ System contains an isolation valve used to separate breathing air manifolds so the unit can be used in rescue operations. The design was implemented to conform with NFPA confined space entry rescue regulations.

For Use In Hazardous Locations

Air Systems International
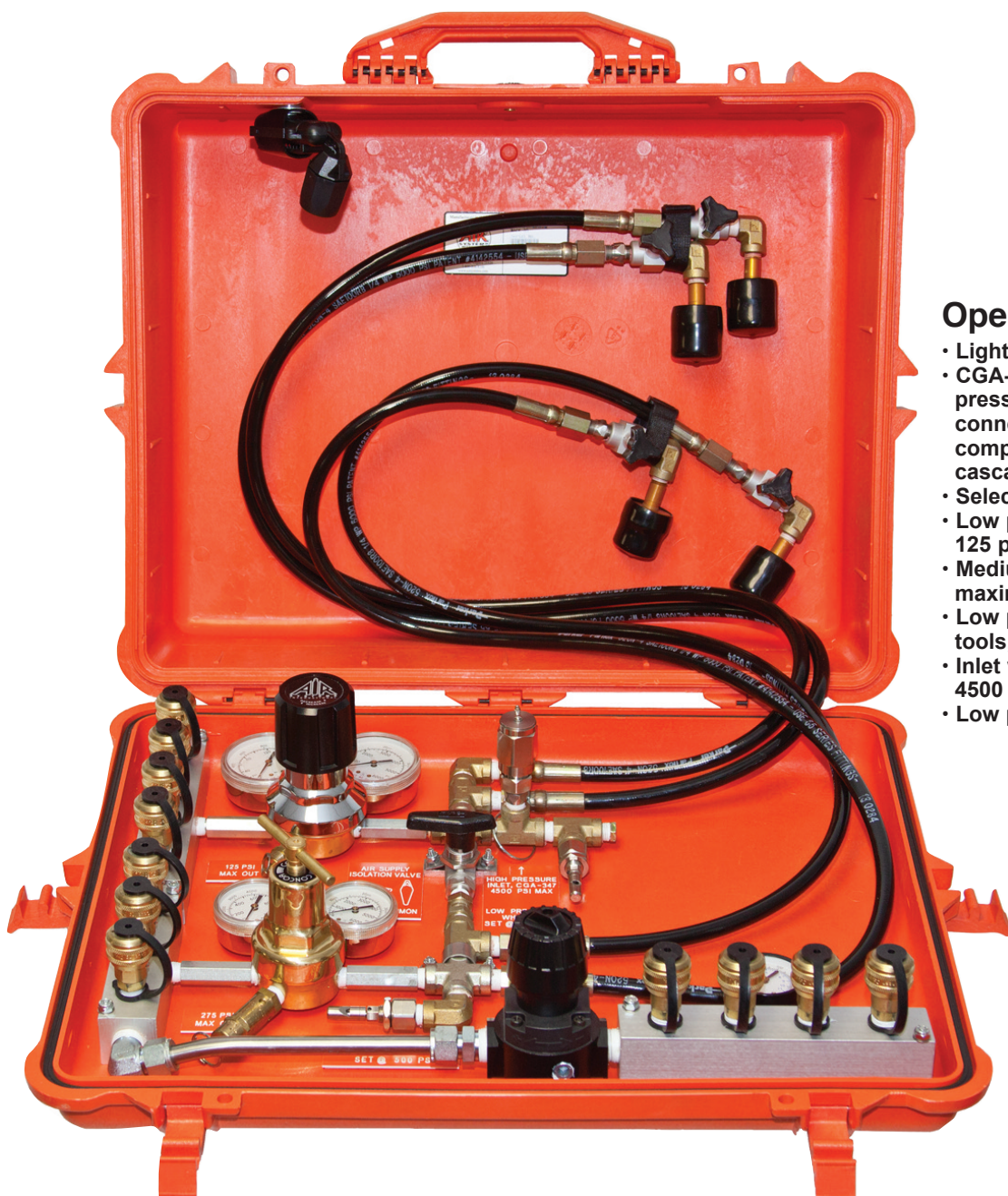
Operational Features

- Light for operation in low light conditions
- CGA-347 male adapter used as a high pressure auxiliary inlet. It can be connected to a high pressure compressor or a truck mounted cascade system.
- Selector valve
- Low pressure breathing air manifold, 125 psi maximum
- Medium pressure tool manifold, 275 psi maximum for additional air usage
- Low pressure manifold for lift bags and tools, 125 psi maximum
- Inlet whips are connected to 2216 or 4500 psi cylinders
- Low pressure alarm whistles

Optional fill regulator to fill SCBA cylinders

MACK-3FA Fill Regulator Assembly

Tech-Rescue™ Cart

The Tech-Rescue™ Cart was designed to provide air for all of the various respirators and unique rescue tools used by Fire and Technical Rescue teams. Air Systems designed a unique stainless steel cart with a color-designated control panel; one side for primary respirator breathing air and the other for tool and secondary air requirements. Two 4500 psi cylinders or high pressure cascade (fire truck) cylinder air can be used to operate the air control panel. The standard features of the Tech-Rescue™ Cart make it the most versatile and unique air cart in the fire service industry.

Yellow Side Respirator Air Control

Blue Side Tool Air Control

MP-TR1

Specifications

Yellow - Respirator Side
- Fold Down Handle
- Upper Hose Rack
- High/Low Pressure Relief Valve Switch
- Respirator L/P Alarm Whistle
- 0-125 psi Output Regulator
- 4 Respirator Fittings (user specified)
- Lower Hose Rack with Quick Release Pin

Blue - Tool Side
- CGA-347 Auxiliary Inlet
- Tool Air L/P Alarm Bell
- Air Isolation Valve
- 0-250 psi Output Tool Regulator
- 0-125 psi Regulator for Accessory Tool Outlet Fitting
- 4 Tool Fittings (user specified)
- Low Pressure Accessory Air Tool/Lift Bag Fitting

FD-17 Aeroquip® Quick-Fill Couplings

See page 6 for ordering Information

For Use In Hazardous Locations

MP-TR1 CONTROL PANEL
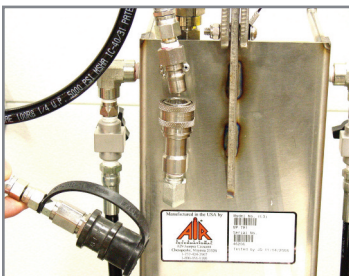
QFH-5MPTR1

Tech-Rescue™ Cart

Item No.	Description
MP-TR1	Tech-Rescue™ Cart, ¼" Hansen style or Schrader style fittings standard. Optional fittings available at an additional charge.

Cylinders Not Included. See Page 6.

Note: Carts available for 5500 PSI SCBA's Contact Customer Service

MP-C

Tech-Rescue™ Cart Accessories

Item No.	Description
QFH-5MPTR1	5 foot Quick-Fill hose installed on MP-TR1 (installed at time of order)
AC-87	87 cf carbon fiber cylinder, 4500 psi
AC-60	60 cf aluminum cylinder, 2216 psi
CW-300	25 foot (300") high pressure connect whip, CGA-347 hand tight on each end with bleed valves, connects from cart to truck cascade air supply - 5000 psi
MP-C	Black nylon cart cover, fits all small Multi-Pak™ Series carts

MULTI-PAK™ Rescue Air Cart

The MULTI-PAK™ Rescue Air Cart offers many of the same features as the Tech-Rescue™ Cart at a more economical price. The cart uses SCBA cylinders to provide breathing air and a second low-pressure regulator allows air tools or lift bags to be used. The Rescue Air Cart is supplied with a high pressure CGA-347 inlet for extended use.

Specifications

• High pressure CGA-347 auxillary inlet
• Secondary low pressure regulator to operate pneumatic tools and lift bags
• Holds 2216 PSI or 4500 PSI cylinders
• 5500 PSI carts available. Contact Customer Service for details.
• Intrinsically safe low pressure alarm whistle (bell alarm option)
• High flow adjustable regulator
• Input and output pressure gauges
• Solid aluminum block manifold
• Universal hand tight CGA fittings with bleeder valves
• Fold down handle
• Nylon cylinder straps with Velcro®
• Quick release hose rack
• In-line check valves
• 8" semi-pneumatic tires
• Steel frame with black powder coat paint
• Cylinder selection switch
• Dimensions: 21" L x 16" W x 41" H (handle up) 34½" (down)
• Weight: 49 lbs.

MP-4R

MP-C

For Use In Hazardous locations

MULTI-PAK™ Carts

Item No.	Description
MP-4R	MULTI-PAK™ Rescue Air Cart, 2-cylinder, 4500 psi, designed for the fire/rescue market. Supplied with 4-outlet manifold, powder coat steel frame, high flow regulator, CGA-347 hand tight nuts, cylinder selector valve, additional 0-125 psi regulator with 1-outlet manifold for low pressure tools or lift bags
MP-4RSS	MULTI-PAK™ Rescue Air Cart, **Stainless Steel**, same as MP-4R above
MP-C	Black nylon cart cover, fits all small Multi-Pak™ Series carts

Cylinders Not Included. See Page 6.

Cascade Cylinder Fill Assemblies

Air Systems' cascade fill assemblies are used for refilling either 2216 or 4500 psi SCBA cylinders. Fill assemblies include a 5 foot high pressure fill whip with gauge, universal hand-tight nut, on/off and bleed valve. Cylinder connecting whips are supplied with a CGA stem, nut, and tee assembly. Additional cylinder connecting whips can be added to any of the below assemblies for multiple or extended SCBA fill capacity. **Cylinders not included with fill and whip assemblies. See page 6.**

Cascade Cylinder Fill Assemblies

Item No.	Description
CBF3-346NB	3000 psi, CGA-346 fill whip, connecting whips
CBF3-347NB	5000 psi, CGA-347 fill whip, connecting whips
CBF3-702NB	6000 psi, CGA-347 fill whip, connecting whips

Additional Breathing Air Assemblies Available.
Contact Our Customer Service Department.

Air Cylinder Connecting Whips

30" with Tee - No Check Valve

Item No.	Description
CW-30	CGA-346 stem and nut - 3000 psi
CW-30HP	CGA-347 stem and nut - 5000 psi
CW-30-702	CGA-702 stem and nut - 6000 psi

30" with Check Valve & Tee

Item No.	Description
CWCV-30	CGA-346 stem and nut - 3000 psi
CWCV-30HP	CGA-347 stem and nut - 5000 psi
CWCV-702	CGA-702 stem and nut - 6000 psi

Cylinder Fill Whips

Item No.	Description
HP-FW5-346 HP-FW5-347 HP-FW5-702	**Low Pressure** CGA-346 fill whip, 3000 psi max, hand tight nut **High Pressure** CGA-347 fill whip, 5000 psi max, hand tight nut **Ultra High Pressure** CGA-702 fill whip, 6000 psi max, wrench tight nut

**All Cylinder Fill Whips come with 5 foot high pressure hose,**
on/off valve, pressure gauge, bleed valve, and connecting nut.

HP-FW5-346

Fill Regulator

Item No.	Description
RG-6000FIL	Fill regulator, 6000 psi inlet, 0-5000 psi outlet with gauges, wrench tight CGA-347 inlet and ¼" NPT outlet
RG6KFIL702	Fill regulator, 6000 psi inlet, 0-5000 psi outlet with gauges, wrench tight CGA-702 inlet and CGA-347 outlet

RG-6000FIL
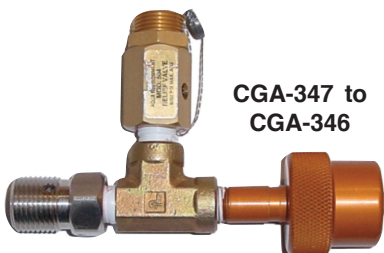
Safety Fill Adapter

High Pressure to Low Pressure Adapter

Item No.	Description
HT-346RV	Safety fill adaptor CGA-347 to CGA-346, 2400 psi relief pressure

CGA-347 to CGA-346

AC-444

AC-60 **AC-87**

Breathing Air Cylinders

Item No.	Description

Model No.	Description
AC-60	60 cf CGA-346, 2216 psi, aluminum, DOT/TC/ISO/UN
AC-87	87 cf CGA-347, 4500 psi, fully wrapped carbon fiber, DOT/TC approved
AC-300	300 cf CGA-346, 2400 psi, steel, DOT/TC approved
AC-444	444 cf CGA-347, 4500 psi, steel, DOT/TC/ISO/UN approved
AC-472	472 cf CGA-347, 5000 psi, steel, DOT/TC/ISO/UN approved
AC-509	509 cf CGA-702, 6000 psi, steel, DOT/TC/ISO/UN approved

**Compressed Air Cylinder Testing Kits
See Pages 17-18 in our Master Catalog**

High Pressure CGA Fittings

Hand Tight Fitting - Universal

Item No.	Description
SS347HT	CGA-347 universal hand tight, fits CGA-346 or 347 male thread, maximum pressure 5500 psi

Hand Tight Fitting - High Pressure

Item No.	Description
SS347SNHT	CGA-347 high pressure hand tight, fits CGA-347 male thread only, maximum pressure 5500 psi

Wrench Tight Fittings - CGA-346 Series
Maximum pressure, 3000 psi

Item No.	Description
HPBR025	CGA-346 brass nut
HPBR026	CGA-346 brass stem
HPBR027	CGA-346 check valve & brass stem

Wrench Tight Fittings - CGA-347 Series
Maximum pressure, 5500 psi

Item No.	Description
HPBR049	CGA-347 brass nut
HPBR050	CGA-347 brass stem
VC4SMMSS	CGA-347 check valve

Wrench Tight Fittings - CGA-702 Series
Maximum pressure, 7500 psi

Item No.	Description
SS702N	CGA-702 brass nut
SS702S	CGA-702 brass stem
VC4SMMSS	CGA-702 check valve

FD-17 Aeroquip®

**QDAFD17F
Coupler**

**QDAPFD17M
Plug**

Quick-Fill Adapter

Item No.	Description
QDAPFD17M	Quick-Fill adapter - plug
QDAFD17F	Quick-Fill adapter - coupler

Contact Customer Service for ordering information.
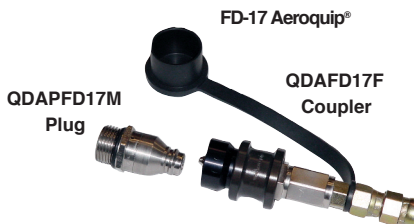
Breathing Air Assemblies

Air Systems' breathing air assemblies offer a complete system for use with airline respirators. Additional cylinder connecting whips can be added to extend breathing air capacity with additional cylinders. **Cylinders <u>not</u> included with fill and whip assemblies. See page 34.**

CBA3-347NB

Cascade Breathing Air Assemblies

All assemblies include regulator, 4-outlet manifold assembly, low pressure alarm whistle, relief valve, connecting whips with check valves

Item No.	Description
CBA3-346NB	3 cylinder breathing air assembly, 3000 psi
CBA3-347NB	3 cylinder breathing air assembly, 5000 psi
CBA3-702NB	3 cylinder breathing air assembly, 6000 psi

Additional Breathing Air Assemblies Available. Contact Customer Service

Low Pressure Bell Alarm Available - Contact Customer Service. Please specify fitting when ordering.

RG-3000

Breathing Air Regulators

Item No.	Description
RG-3000	CGA-346, 3000 psi, adjustable regulator, dual gauges, relief valve and 1/4" QD fitting
RG-5000	CGA-347, 5000 psi, adjustable regulator, dual gauges, relief valve and 1/4" QD fitting
RG-6000	CGA-702, 6000 psi, adjustable regulator, dual gauges, relief valve and 1/4" QD fitting

Breathing Air Manifolds

Item No.	Description
HP-CW1-346	4-outlet manifold assembly with safety relief valve, 3000 psi regulator, CGA-346 connection, low pressure alarm whistle, 4 fittings
HP-CW1-347	Same as above, with CGA-347 connection, 5000 psi
HP-CW1-702	Same as above, with CGA-702 connection, 6000 psi
RG-3000-2Y	RG-3000 regulator with 2 fittings, includes check valve and low pressure alarm whistle, 3000 psi, CGA-346
RG-5000-2Y	RG-5000 regulator with 2 fittings, includes check valve and low pressure alarm whistle, 5000 psi, CGA-347

HP-CW1-346

Manifold assemblies available from 1 to 8 outlets

Low Pressure Bell Alarm Available - Contact Customer Service. Please specify fittings when ordering.

TR-4

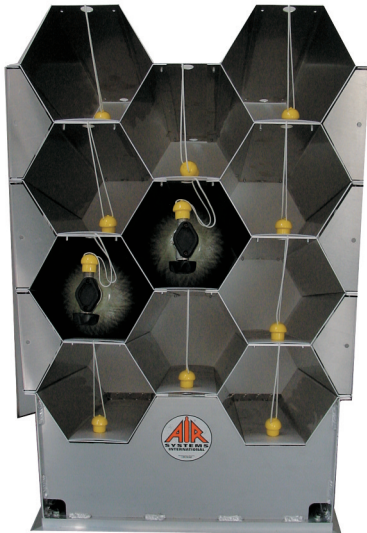# Breathing Air Cylinder Storage Rack

Economical SCBA / SCUBA Cylinder Storage Rack

Item No.	Description
TR-4	4-cylinder rack, steel wire basket, floor mountable, 7 lbs., 34" L x 8¾" W x 11" H

Cylinders Not Included. See page 6.

AIR-KADDY™

Modular Aluminum SCBA Cylinder Storage Racks

AIR-KADDY's™ unique modular design allows for expansion as needed to accommodate your SCBA storage requirements - today and in the future! Available in free standing, Series 40, and vehicle style, Series 24 - narrow profile. All racks are lined with nylon pads to prevent cylinder scratches. Custom sizes available - contact customer service.

AK24-11TS
With Thread Savers®

MADE in the USA

AIR-KADDY™ - Series 24
SCBA Cylinder Storage Racks for Vehicles
Designed to fit in fire/rescue vehicles requiring a narrower profile

Item No.	Description
AK24-8	AIR-KADDY™ 8 cylinder rack - 32" H x 25¼" W x 22¼" D
AK24-11	AIR-KADDY™ 11 cylinder rack - 48" H x 25¼" W x 22¼" D
AK24-18	AIR-KADDY™ 18 cylinder rack - 60" H x 25¼" W x 22¼" D
AK24-24	AIR-KADDY™ 24 cylinder rack - 76" H x 25¼" W x 22¼" D

AIR-KADDY™ - Series 40
SCBA Cylinder Storage Racks - Free Standing

| Item No.	Description
AK40-15	AIR-KADDY™ 15 cylinder rack - 36" H x 37½" W x 22½" D
AK40-25	AIR-KADDY™ 25 cylinder rack - 60" H x 37½" W x 22½" D
AK40-35	AIR-KADDY™ 35 cylinder rack - 68" H x 37½" W x 22½" D
AK40-40	AIR-KADDY™ 40 cylinder rack - 76" H x 37½" W x 22½" D

Thread Saver®

Item No.	Description
VAL-TS	Thread Saver® - cylinder thread protector

**Add TS to the AIR-KADDY™ model number
to have Thread Savers® installed.**

AK40-25

**AIR-KADDY™ 8, 11, and
15 cylinder storage racks
can be cart mounted.
Contact Customer
Service for details.**

Thread Saver®
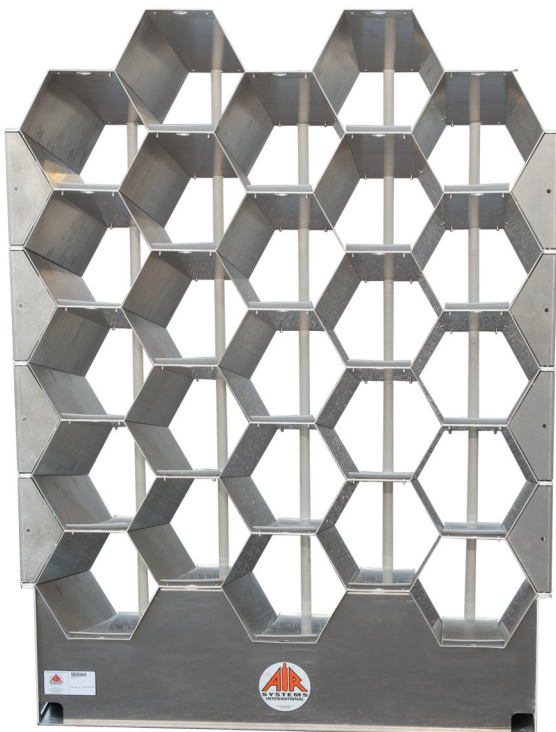
High Pressure Fill Compressors

We specialize in designing custom systems to meet Military, Fire/Rescue, and Industrial fill applications.

Air Systems provides a full line of high pressure fill compressors with high CO shutdown, air storage, air distribution systems, and containment fill stations. We can provide output air pressures up to 6000 psi and units to 26 cfm capacity.

Call Customer Service to discuss your particular application or fill out the High Pressure Compressor Questionnaire located at www.airsystems.com to design a custom system to meet your needs.

Vertical Fill Compressor

Horizontal Fill Compressor

Electric, Gasoline or Diesel Models Available

A Complete Fill System Includes:
• High Pressure Fill Compressor with CO Monitor
• Air Storage Cylinders
• Full Containment Fill Station

Our compressors meet or exceed the Grade-E air quality specifications found in NFPA 1989 and OSHA 1910.134 when used in accordance with manufacturer's recommendations.
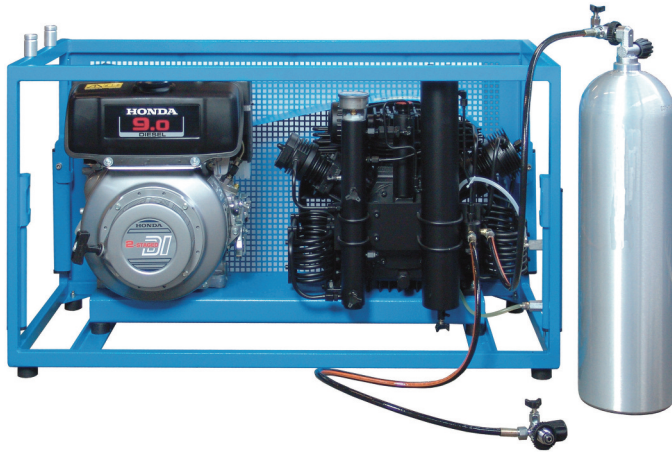
Air Systems provides at NO CHARGE your first lab certified air quality test with the purchase of a new compressor with CO monitor. Contact Customer Service for details.

Portable Fill Compressors
CFM outputs available from 3.5 to 10.8 cfm, Electric, Gas or Diesel

Portable compressors are designed for filling small SCBA cylinders only

SCUBA fill whips available

Fill Containment Fill Stations

Fill stations are the ideal choice for flexibility and trouble-free performance with supply pressures up to 6000 psi and cylinder capacities from 2 to 4 positions. All fill stations have been third party tested to NFPA 1901 cylinder containment requirements and are individually tested and certified for performance prior to shipment.

Containment Fill Stations Designed to Meet NFPA 1901 Standards

3 Position Fill Station with 4 Bank Cascade Control Panel and Pneumatic Opening Door

Standard Features
• All Steel Construction
• Grade-8 Steel Structural Hardware
• Vertical Blast Tubes with Liners
• Designed to Fit All Size SCBA Cylinders
• Third Party Tested to Meet NFPA 1901

Optional Features
• Single or Multiple Fill Pressures
• Isolation Valves for Each Fill Position
• Color Coded Fill Lines and Labels for Each Fill Pressure and Position
• Cascade Bank Control Panels

Custom multi-bank cascade control panels are available upon request.

Contact Customer Service for additional information.

Custom Air-Responder™
Mobile Breathing Air Trailer

The Air Responder™ series of breathing air trailers are designed for mobile quick response at an economical price. The trailers provide breathing air for airline respirators, rescue air tools, or SCBA quick filling and available in two series.

The 100 series is an open frame six cylinder trailer. The 200 series is an enclosed eight cylinder trailer. Both trailers have a rear air control panel with respirator couplings and CGA-347 fittings to bulk fill the storage cylinders and provide for attachment of a quick fill hose for SCBA filling.

An optional cascade fill panel is available for both trailer series. The front of each trailer will hold optional storage boxes, a small fill compressor, or generator.

For Use In Hazardous Locations

**AR-101
Cascade Air Trailer**

Custom Designed High Pressure
Breathing Air Cylinder Carts, Racks, and Trailers

Air Systems' experienced technical staff and engineering department can design a breathing air trailer with custom storage and air delivery for _ANY_ application. Custom mobile air cylinder carts are available for industrial plant and emergency response applications.

Consult Customer Service for Additional Details

Our Engineering Department will design a cart to your specifications and provide AutoCAD® drawings for approval.

**Breathing Air Transporter™
Two Cylinder Breathing Air Trailer**

Emergency Response Open or Enclosed Trailers for Long Duration Breathing or Cylinder Filling Applications

All carts can be customized to your particular application.

Long Duration Air Storage Hazardous Response Trailers

Custom Response Trailer

# Custom Fire and Rescue Trailers and Accessories

Air Systems' experienced technical staff and engineering department can design a mobile breathing air response system tailored to your exact requirements. Contact Customer Service to discuss your requirements and we will provide AutoCad® drawings to meet your specifications.
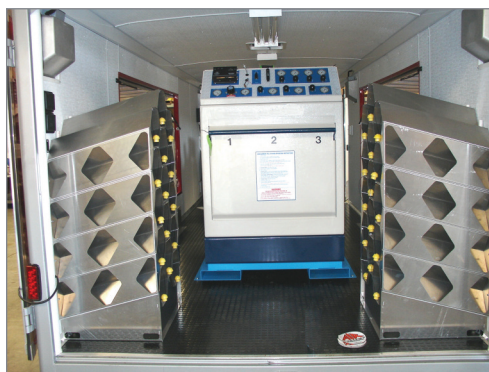
Products engineered to your specifications

Custom cascade air control panels to manage entire fill system
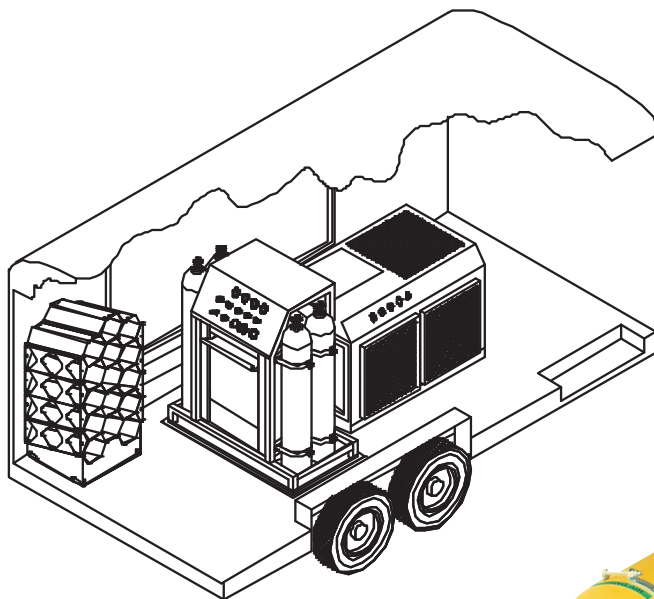
Gasoline, Diesel or Electric Fill Compressors from 3.5 to 26 cfm

Custom SCBA Storage Using Air Systems' Unique AIR-KADDY™ SCBA Cylinder Racks

Air Storage Systems in horizontal or vertical configurations for large air cylinders

Slide in vehicle rack systems to upgrade rescue vehicles

We Specialize in Custom Fill Panels

Fully Enclosed Breathing Air Trailer with Fill Compressor, Air Storage Cylinders and Containment Fill Station

Optional sound proofing, air conditioning or heating packages, generators and lighting

8" CVF Axial Fans & Kits
For Non-Hazardous Locations

The CVF Axial Fan was designed as a rugged, lightweight polyethylene fan for use in rain or shine to provide fresh air for confined space ventilation. The CVF fan has been safety tested and certified by CSA for use in U.S. and Canada and is offered in electric or DC power for use in non-hazardous locations.

Applications:
- Boiler Work
- Manhole Entry
- Telecommunications
- Construction & Maintenance
- Electrical Transformer Repair
- Tank Cleaning

CVF-8AC

8" CVF Axial Fan

Item No.	Description
CVF-8AC	AC Axial Fan - 1/3 HP, 115 VAC, 60 Hz, 18 lbs.
CVF-8AC50	AC Axial Fan - 1/3 HP, 220 VAC, 50 Hz, 18 lbs.
CVF-8DC	DC Axial Fan - 1/4 HP, 12 VDC, 19 amps, with battery clips, 18 lbs.

Model	Free Air	15' 1-90° Bend	15' 2-90° Bends
CVF-8AC	974 CFM	786 CFM	661 CFM
CVF-8AC50	830 CFM	705 CFM	629 CFM
CVF-8DC	974 CFM	786 CFM	661 CFM

8" CVF Canister Fans

Item No.	Description
CVF-15ACAN	CVF-8AC axial fan, 15 foot duct canister
CVF-25ACAN	CVF-8AC axial fan, 25 foot duct canister
CVF-15DCAN	CVF-8DC axial fan, 15 foot duct canister, supplied with battery clips
CVF-25DCAN	CVF-8DC axial fan, 25 foot duct canister, supplied with battery clips
	Duct Canister - Fits CVF Fans Only
CVF-CAN15	Duct canister with 15 foot duct
CVF-CAN25	Duct canister with 25 foot duct

CVF-15ACAN

International canister fans and ventilation kits available. Contact Customer Service for ordering information.

8" CVF Saddle Vent® Ventilation Kits

Item No.	Description
CVF8A15KIT	CVF-8AC axial fan, 6 foot duct with canister, 15 foot duct, Saddle Vent®, 90° elbow, and universal mount
CVF8A25KIT	CVF-8AC axial fan, 6 foot duct with canister, 25 foot duct, Saddle Vent®, 90° elbow, and universal mount
CVF8D15KIT	CVF-8DC axial fan, 6 foot duct with canister, 15 foot duct, Saddle Vent®, 90° elbow, and universal mount
CVF8D25KIT	CVF-8DC axial fan, 6 foot duct with canister, 25 foot duct, Saddle Vent®, 90° elbow, and universal mount

CVF8A15KIT

Saddle Vent® is a Registered Trademark of Air Systems International, Inc.

8" CVF Explosion-Proof Axial Fans
For Hazardous Locations

The CVF 8" Explosion-Proof Axial Fan was designed as a rugged, lightweight polyethylene fan for use in rain or shine to provide fresh air for confined space ventilation. The conductive explosion-proof fan is CSA C/US, ATEX, and IECEx certified for use in hazardous locations including gas and dust applications.

Applications:
- Hazardous Locations
- Utility Companies
- Petrochemical Tanks
- Construction & Maintenance
- Electrical Transformers
- Tank Cleaning

CVF-8EXP

CVF-8X220

8" CVF Explosion-Proof Axial Fan

Item No.	Description
CVF-8EXP	115 VAC, 1/3 HP, 60 Hz, 1-phase, 25 foot power cord, sealed on/off switch, no plug (user wired per NEC requirements), 23 lbs.
CVF-8X220	220 VAC, 1/3 HP, 50/60 Hz, ATEX/IECEx approved, 10 meter power cord, no plug (user wired per local requirements), 24 lbs.

Approved for Hazardous Location Usage. Classes 1 and 2, Groups C, D, E, F, and G. II 2 Gc Ex d IIB T6 Gb

Plug not included - see page 66 of 2018 Master Catalog for options.

Model	Free Air	15' 1-90° Bend	15' 2-90° Bends
CVF-8EXP	987 CFM	730 CFM	648 CFM
CVF-8X220	823 CFM	655 CFM	552 CFM

For Use In Hazardous Locations

8" CVF Explosion-Proof Canister Kits

Item No.	Description
CVF15CANEX	CVF-8EXP fan, 15 foot conductive duct with conductive canister, no plug - user wired per NEC requirements
CVF25CANEX	CVF-8EXP fan, 25 foot conductive duct with conductive canister, no plug - user wired per NEC requirements
	Conductive Duct Canister - Fits CVF Fans Only
CVF-CND15	Conductive duct canister with 15 foot conductive duct
CVF-CND25	Conductive duct canister with 25 foot conductive duct

CVF15CANEX

Plug not included - see page 66 of 2018 Master Catalog for options.

For Use In Hazardous Locations

8" CVF Conductive Saddle Vent® Ventilation Kits

Item No.	Description
CVFEX15KIT	CVF-8EXP fan, Conductive Saddle Vent®, 6 & 15 foot conductive duct, conductive canister, conductive 90° elbow, and universal mount
CVFEX25KIT	CVF-8EXP fan, Conductive Saddle Vent®, 6 & 25 foot conductive duct, conductive canister, conductive 90° elbow, and universal mount

Plug not included - see page 66 of 2018 Master Catalog for options.

Saddle Vent® is a Registered Trademark of Air Systems International, Inc. The Conductive Saddle Vent® is covered by US and Foreign patents.

CVFEX15KIT

12" CVF Axial Fans & Kits
For Non-Hazardous Locations

The CVF 12" Axial Fan was designed as a rugged, lightweight polyethylene fan for use in rain or shine to provide fresh air for confined space ventilation. The CVF fan has been tested and certified by CSA for use in US and Canada and is offered in standard electric power for use in non-hazardous locations.

Applications:
- Confined Spaces
- Manhole Entry
- Underground Vaults

12" Axial Fan

Item No.	Description
CVF-12AC	12" AC Axial Fan, 115VAC, 50/60 HZ, GFCI plug, 26 Lbs.
CVF-12AC50	12" AC Axial Fan, 220VAC, 50 HZ, user specifies plug, 26 Lbs.

Model	Free Air	15' 1-90° Bend	15' 2-90° Bends
CVF-12AC	1,866 CFM	1,497 CFM	1,282 CFM
CVF-12AC50	1,555 CFM	1,248 CFM	1,068 CFM

12" Canister Fans

Item No.	Description
CVF12CAN15	CVF-12AC Axial Fan with 15 foot duct canister, 46 Lbs.
CVF12CAN25	CVF-12AC Axial Fan with 25 foot duct canister, 53 Lbs.

CVF-12AC

CVF12CAN25

8" Steel Axial Fans & Canister Fans

Our steel axial fan is a rugged, low cost fan with high volume output and medium static pressure. It is designed for non-hazardous locations and CSA approved for outdoor use.

8" Steel Axial Fans

Model No.	Description
SVF-8AC	AC axial fan - 1/3 HP, 115 VAC, 60 Hz, 24 lbs.
SVF-8AC50	AC axial fan - 1/3 HP, 220 VAC, 50 Hz, 24 lbs.
SVF-8DC	DC axial fan - 12 VDC, 1/4 HP, 19 amps, supplied with battery clamps, 24 lbs.

SVF-8AC

8" Steel Axial Canister Fans

Model No.	Description
SVF-15ACAN	AC canister fan with 15 foot duct installed
SVF-25ACAN	AC canister fan with 25 foot duct installed
SVF-15DCAN	DC canister fan with 15 foot duct installed
SVF-25DCAN	DC canister fan with 25 foot duct installed

SVF-15ACAN
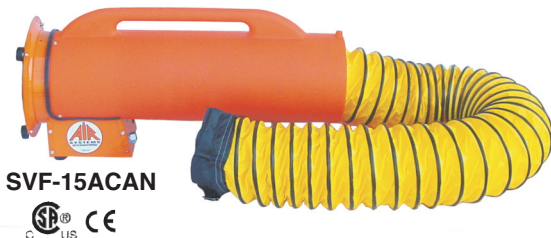
Model	Model No.	Free Air	25' 1-90° Bend	25' 2-90° Bends
AC Blower	SVF-8AC	1275 CFM	797 CFM	677 CFM
AC Blower (50Hz)	SVF-8AC50	1063 CFM	637 CFM	543 CFM
DC Blower	SVF-8DC	1275 CFM	797 CFM	677 CFM

8" Ventilation Kits with Centrifugal Blowers

Heavy Duty, Industrial Grade, Ergonomically Designed

SVB-E8SCUP

Saddle Vent® is a
Registered Trademark
of Air Systems
International, Inc.

VIDEO ONLINE

8" Centrifugal Electric Blowers & Kits

Item No.	Description
	Non-Hazardous Locations
SVB-E8	3/4 HP electric motor, TEFC, 115 VAC, 10.8 amp, 60 Hz, GFI power cord, 52 lbs.
SVB-E8SCUP	SVB-E8 blower, Industrial Saddle Vent®, 90° elbow, 15 foot duct, 6 foot duct, duct canister & universal mount
SV-CUP	Saddle Vent® and elbow, 6 and 15 foot duct, duct canister, and universal mount. No blower.
	Hazardous Locations
SVB-E8EXP	3/4 HP explosion-proof electric motor, 115 VAC, 12.6 amp, 67 lbs.
SVB-E8XCUP	SVB-E8EXP blower (no plug included), Conductive Saddle Vent® and elbow, 6 and 15 foot conductive duct, duct canister, and universal mount
SV-CUPCND	Conductive Saddle Vent® and elbow, 6 and 15 foot conductive duct, duct canister, and universal mount. No blower.

Model No.	Free Air	25' 1-90° Bend	25' 2-90° Bends
SVB-E8	1570 CFM	1047 CFM	873 CFM
Model No.	Free Air	25' 1-90° Bend	25' 2-90° Bends
SVB-E8EXP	1570 CFM	1047 CFM	873 CFM

**For other centrifugul blowers,
contact Customer Service**

10" Ventilation Kits with In-Line Steel Axial Fans

The 10" in-line axial fan has been designed as a stand alone fan, or it can be attached in series to run long lengths of ventilation duct. Intake and exhaust flanges allow for either 8" or 10" duct to be attached to either end of the blower to achieve positive or negative ventilation. The blower is made of lightweight steel and is available in standard or explosion-proof electric. Ventilation kits provide the fan, Saddle Vent® and all the accessories for confined space entry.

SVF-10ECUP

10" In-Line Fans & Kits

Model No.	Description
	Non-Hazardous Locations
SVF-10E SVF-10ECUP	10" Electric in-line fan, ⅓ HP, 115 VAC, 60 HZ. 30 lbs. SVF-10E fan, Industrial Saddle Vent®, 6 & 15 foot duct (8"), canister, 90° elbow, and universal mount
	Hazardous Locations
SVF-10EXP SVF10EXCUP	10" Explosion-proof electric in-line fan, ⅓ HP, continuous duty, 115 VAC, 1-phase, 60 Hz, no plug included, 38 lbs. SVF-10EXP fan, Conductive Saddle Vent®, 6 & 15 foot conductive duct (8"), canister, conductive 90° elbow, and universal mount. No plug included.

Model No.	Free Air	25' 1-90° Bend	25' 2-90° Bends
SVF-10E	1390 CFM	870 CFM	858 CFM
Model No.	Free Air	25' 1-90° Bend	25' 2-90° Bends
SVF-10EXP	1390 CFM	870 CFM	858 CFM

**The Conductive Saddle Vent® is
covered by US and Foreign patents.**

Air-Light®

The Air-Light® is a unique patented portable area light delivering high lumen output and long duration illumination; no set-up required.

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	

Charging Cord Sets

Item No.	Description
LP-PC-DE	Dual end power port connector cable - 8 foot
C7-PC-USA	DC charge cord to AC - United States - 8 foot

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.

Light head details on page 22

Fully Extends to 87" Tall

VIDEO ONLINE

LIFETIME WARRANTY ON LIGHT HEADS

Air-Light® Applications
- **Area Lighting**
- **Construction**
- **Maintenance**
- **Utility Work**
- **Emergency Response Lighting**
- **Crime Scene Investigation**

Light Stores in Case

4000 Lumens AL4KBP

9800 Lumens AL9800BP

Air-Light®

- **For use in _ALL_ WEATHER CONDITIONS AND TERRAIN!**
- **Internal battery can be charged from external 12VDC or 110-240VAC power sources and the Air-Light® can operate while charging**
- **Power port socket for charging of internal battery or powering external accessories such as cell phones, laptops, handheld lights, or any device utilizing 12VDC power**
- **Operate/charge with clamp style jumper cables**
- **Unit delivered fully assembled in a roller case with handle**
- **Unit deploys/stows rapidly without the use of tools and folds to fit within the integral case**
- **Stainless steel legs extend up to 33"**
- **Operates in 35 mph full frontal winds, 65+ mph rear winds**
- **Aluminum mast extends from a range of 30" - 87" above ground**

**Air-Light®
patent informaton:
www.airsystems.com**

Internal Battery:

- 12VDC sealed 22 amp hour AGM lead acid battery
- Built in 110-240VAC, 50/60 Hz, UL approved 3 amp charge system
- Safely stored/operated at -40°F to 140°F (-40°C to 60°C)
- Recommended continuous charging when not in use
- 24 hour recharge when fully depleted
- Rated for 500+ charge cycles
- **One year replacement warranty on battery and charger**

Approvals / Conformances
- Declaration of Conformity CE council directive 2006/95/EC
- Specifications Declared: Essential Health and Safety Requirements of Annex 1 of the Low Voltage Directive
- RoHs (Restriction of Hazardous Substances) compliant
- CE registered lights
- Air transpost approval FAA, DOT, CAB, IA, and TA

Dimensions: 14" W x 10" D x 21½" H
Weight: 44 lbs.

Temporary or Emergency Lighting

9800 Lumens

Air-Light® II

Air-Light® II is a variation of our original Air-Light® area light with larger battery and taller mast to elevate LED lights up to 8 foot.

MADE in the USA

LIFETIME WARRANTY ON LIGHT HEADS

▶ **VIDEO ONLINE**

Fully Extends to 8' Height

Use 12-Volt Power Port Adapter Cable to Charge and/or Run DC Powered Electrical Devices

4000 Lumens AL2-4K-35

Dimensions (down position):
17" W x 8" D X 26" H
Weight: 44 lbs.

XP Light

Designed For Use In Any Weather!

Air-Light® II

- **For use in _ALL_ WEATHER CONDITIONS & TERRAIN!**
- **Sets up in seconds - no tools required**
- **Up to an 8 foot light extension**
- **Adjustable directional lampheads**
- **Digital push-to-test voltage meter**
- **18" Stainless Steel Collapsible Legs Retract for Storage**
- **Legs extend to provide stable tripod base**
- **24" storage height with mast down**
- **Independent light on/off switches**
- **Amber LED flasher light on/off switch**
- **12VDC sealed 35 amp hour AGM lead acid battery**
- **12VDC power port for charging**
- **Vehicle Jumper Connection Posts**
- **Cord Storage in Front & Rear Pockets**

Air-Light® II
patent informaton:
www.airsystems.com

▶ VIDEO ONLINE

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.

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

Light head details on page 22

Air-Light® II Applications

- **Area Lighting**
- **Highway Flagger Lighting**
- **Construction**
- **Maintenance**
- **Utility Work**
- **Emergency Response Lighting**
- **Crime Scene Investigation**

Temporary or Emergency Lighting

XP Light

Air-Light® II
Flagger Light

The Air-Light® II is a lightweight, portable light source with extended runtime to light up a work site. With an extended 8 foot light mast height, the Air-Light® II meets national and state flagger illumination regulations and complies with NCHRP Report 476 Section 2.5.2 (Illumination, Visibility, and Temporary Lighting) and the MUTCD, Section 6E, 6F and 6G.

Light Extends to 8 foot Height to Illuminate Highway Flaggers

Emergency Response Ventilation Kit ERVK-15DC
Includes Air-Light® II and 8" CVF Fan

Air-Light® II AL2-4K-35

8" CVF Fan CVF-8DC

Emergency Response Ventilation Kit (ERVK)
Portable Power Supply for 12 VDC Powered Units

The Air-Light® and Air-Light® II provides long duration LED area lighting and extra battery power for 12 VDC applications.

When coupled with our 12 volt DC portable fan, any Air-Light® can supply power to be used in emergency confined space rescue with up to 2 hours of operation. A DC power port allows workers to recharge cell phones or run laptop computers.

DC Powered Portable Fans

Item No.	Description
ERVK-15DC	8" DC Axial Fan and Light Kit - 1/4 HP, 12 VDC, 19 amps, supplied with battery clamps, and AL2-4K-35 Air-Light®
CVF-8DC	8" DC Axial Fan - 1/4 HP, 12 VDC, 19 amps, with battery clips
SVF-8DC	8" DC Steel Axial Fan - 12 VDC, 1/4 HP, 20 amps, supplied with battery clamps
CVF-15DCAN	8" CVF-8DC Axial Fan, 15 foot duct canister, & battery clips
SVF-15DCAN	8" DC Steel Canister Fan with 15 foot duct installed

Light Run Time (in Hours)

	4000 Lumen 2 Light Heads	9500 Lumen 2 Light Heads	9800 Lumen 2 Light Heads

Air-Light®

22 Amp Battery

Run Hours

	4000 Lumen	9500 Lumen	9800 Lumen
Air-Light®	1 Head Operating **14+** 2 Heads Operating **7+**	Configuration not offered	1 Head Operating **7+** 2 Heads Operating **4+**

Air-Light® II

35 Amp Battery

Run Hours

	4000 Lumen	9500 Lumen	9800 Lumen
Air-Light® II	1 Head Operating **25+** 2 Heads Operating **14+**	1 Head Operating **9+** 2 Heads Operating **5+**	1 Head Operating **9+** 2 Heads Operating **5+**

Light Head Configurations Available

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

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

MORE LUMENS!

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

Light Head Specifications:
- **IP-68 rated dustproof and waterproof**
- 60° wide flood beam pattern
- Anodized aluminum frame with a polycarbonate lens
- Operating temperature: -40°F to 176°F (-40°C to 80°C)
- **Lifetime warranty on light heads**

LIFETIME WARRANTY ON LIGHT HEADS

Air Systems International, Inc.

Corporate Headquarters

829 Juniper Crescent
Chesapeake, Virginia 23320

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