

The Saddle Vent[®] & Ventilation Kits

Confined Space Entry
Do it Right The First Time!



The Saddle Vent[®]



The Tank
Saddle Vent[®]



The Conductive
Saddle Vent[®]



Air Systems International, Inc.

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Catalog Request: catalog@airsystems.com

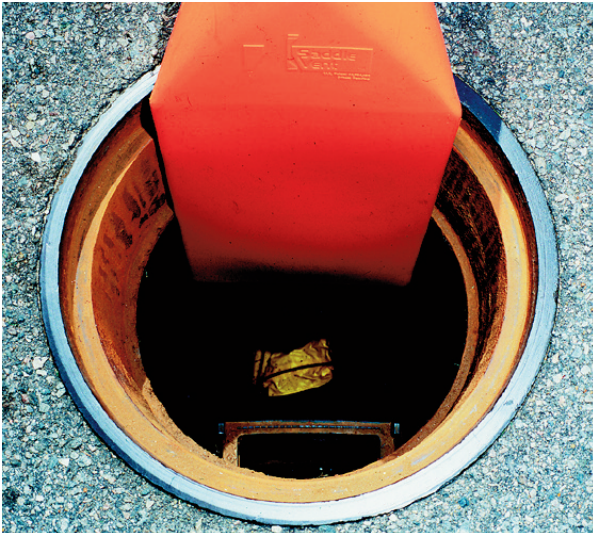
Leading The Safety Industry Since 1984

www.airsystems.com

The 8" Industrial Saddle Vent®

Approved for use in Non-Hazardous Environments

The Saddle Vent® was developed by Air Systems and has been in use around the world for over 25 years to make it easier and safer for workers to enter and exit a confined space. 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. With the Saddle Vent® System in place, continuous ventilation is supplied to the workers by eliminating the need to remove the air duct each time a worker needs to enter or exit a confined space, **increasing safety and productivity.**



The Saddle Vent® allows unrestricted entry and exit and improves ambient light in a confined space opening

Saddle Vent® is the Registered Trademark of Air Systems International

Industrial Saddle Vent®

Model: 8"
 Length: 43.5"
 Width: 14.5"
 Depth: 3.5"
 Top O.D.: 8"
 Bottom O.D.: 8"

- Flow Loss: Less than 1%
- Construction: Polyethylene
- Temperature Rating:
 +220°F Melt Temp.
 -158°F Brittleness Temp.

SV-189



SV-90



The Industrial Saddle Vent®

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

Standard Ducting

Model No.	Description
SVH-3	8" Diameter, 3 foot - yellow
SVH-6	8" Diameter, 6 foot - yellow
SVH-15	8" Diameter, 15 foot - yellow
SVH-25	8" Diameter, 25 foot - yellow
SVH-1215	12" Diameter, 15 foot - yellow
SVH-1225	12" Diameter, 25 foot - yellow



For Non-Hazardous Locations

Standard Ducting



The 8" Conductive Saddle Vent®

Approved for use in Hazardous Environments Saddle Vent® Safety Improvements

The original Saddle Vent® was constructed of standard polyethylene which carries the potential of static electricity build-up on its surface. Static electricity is a source of ignition for fire and explosions. Air Systems developed and patented an improved Saddle Vent® System to safely remove potential static electricity charges from the ventilation system. The conductive Saddle Vent® System is unique in the fact that it can be field tested for conductivity to ensure static charges are being safely removed from the longest piece of duct to the electric ground on the explosion-proof fan or blower.



The fully conductive Saddle Vent® removes static electricity from the entire ventilation system when installed properly.

The Conductive Saddle Vent® System is supplied with all of our explosion-proof & pneumatic ventilation kits or it can be purchased separately to upgrade your current ventilation procedures.

The Conductive Saddle Vent®

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

Conductive Ducting

Model No.	Description
SVH-CND86	8" Diameter, 6 foot - black
SVH-CND815	8" Diameter, 15 foot - black
SVH-CND825	8" Diameter, 25 foot - black
SVHCND1215	12" Diameter, 15 foot - black
SVHCND1225	12" Diameter, 25 foot - black

Ground Wires are attached to each end of wire helix of the duct



For work in hazardous locations, read and follow recommended work procedures found in ANSI/API 2015 and 2016 prior to entering a tank or confined space.

Conductive Saddle Vent®

Model: 8"
Length: 43.5"
Width: 14.5"
Depth: 3.5"
Top O.D.: 8"
Bottom O.D.: 8"

- Flow Loss: Less than 1%
- Construction: Polyethylene
- Temperature Rating:
 - +220°F Melt Temp.
 - 158°F Brittleness Temp.

Saddle Vent® is the Registered Trademark of Air Systems International



SV-189CND



For Use In Hazardous Locations

Saddle Vent® patent information:
www.airsystems.com

For Hazardous Locations

8" Saddle Vent® Ventilation Kits

Certified For Non-Hazardous Locations



**Centrifugal
SVB-E8CUP**



Economy Electric Blower Kit

Model No.	Description
SVB-E8CUP	SVB-E8EC blower, 1/2 HP Industrial Saddle Vent®, 90° elbow, 15 foot & 6 foot duct, duct canister & universal mount
SV-CUP	Industrial kit only: Industrial Saddle Vent® and elbow, 6 and 15 foot duct, duct canister, and universal mount



**Centrifugal
SVB-E8SCUP**



Standard Electric Blower Kit

Model No.	Description
SVB-E8SCUP	SVB-E8 blower, 3/4 HP Industrial Saddle Vent®, 90° elbow, 15 foot duct, 6 foot duct, duct canister & universal mount

2-Speed Electric Blower Kit

Model No.	Description
SVB-E82CUP	SVB-E8-2 blower w/high/low speed Industrial Saddle Vent®, 90° elbow, 15 & 6 foot duct, duct canister & universal mount



**Steel Axial
SVF-8ACUP**



Gasoline Blower Kit

Model No.	Description
SVB-G8CUP	SVB-G8 blower, 4 HP, Industrial Saddle Vent®, 90° elbow, 15 foot duct, 6 foot duct, duct canister & universal mount
SVB-G8HCUP	SVB-G8-H blower, Industrial Saddle Vent®, 90° elbow, 15 foot duct, 6 foot duct, duct canister & universal mount

Electric Steel Axial Fan Kits

Model No.	Description
SVF-8ACUP	SVF-8AC fan, 1/3 HP Industrial Saddle Vent®, 90° elbow, 15 foot duct, 6 foot duct, duct canister & universal mount
SVF-8DCUP	SVF-8DC fan, 12 VDC, Industrial Saddle Vent®, 90° elbow, 15 foot duct, 6 foot duct, duct canister & universal mount



**Inline Axial
SVB-10ECUP**



Electric 10" In-Line Fan Kit

Non-Hazardous Locations

Model No.	Description
SVF-10ECUP	SVF-10E fan, 1/3 HP Industrial Saddle Vent®, 6 & 15 foot duct (8"), canister, 90° elbow, and universal mount

8" CVF Saddle Vent® Ventilation Kits

Model No.	Description
CVF8A15KIT	CVF-8AC axial fan, 1/3 HP, 6 foot duct with canister, 15 foot duct, Saddle Vent®, 90° elbow, and universal mount
CVF8A25KIT	CVF-8AC axial fan, 1/3 NHP, foot duct with canister, 25 foot duct, Saddle Vent®, 90° elbow, and universal mount
CVF8D15KIT	CVF-8DC axial fan, 12 VDC, 6 foot duct with canister, 15 foot duct, Saddle Vent®, 90° elbow, and universal mount
CVF8D25KIT	CVF-8DC axial fan, 12 VDC, 6 foot duct with canister, 25 foot duct, Saddle Vent®, 90° elbow, and universal mount



**Axial
CVF8A15KIT**



**International Fans with 230 VAC, 50 Hz available.
Contact Customer Service for details**

8" Conductive Saddle Vent® Ventilation Kits Certified For Hazardous Locations



**Centrifugal
SVB-E8XCUP**



**For Use In
Hazardous
Locations**

Explosion-Proof Electric Blower Kit

Model No.	Description
SVB-E8XCUP	SVB-E8EXP blower, 3/4 HP Conductive Saddle Vent® and elbow, 6 and 15 foot conductive duct, duct canister, and universal mount

Plug Not Included - See Master Catalog for ordering information

Conductive Kit Only

Model No.	Description
SV-CUPCND	Conductive Saddle Vent® and elbow, 6 and 15 foot conductive duct, duct canister, and universal mount

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



**Pneumatic
SVB-A8CUP**



Pneumatic Air Powered Blower Kit

Model No.	Description
SVB-A8CUP	SVB-A8 blower, 4 HP Conductive Saddle Vent® and elbow, 6 and 15 foot conductive duct, duct canister, and universal mount

Intrinsically Safe Operation

For Hazardous Locations



**Inline Axial
SVF10EXCUP**



Electric 10" In-Line Explosion-Proof Fan Kit

Model No.	Description
SVF10EXCUP	SVF-10EXP fan, 1/3 HP Conductive Saddle Vent®, 6 & 15 foot conductive duct (8"), canister, conductive 90° elbow, and universal mount

Plug Not Included - See Master Catalog for ordering information



**For Use In
Hazardous
Locations**



**Axial
CVFEX15KIT**



Electric 8" CVF Conductive Saddle Vent® Kits

Model No.	Description
CVFEX15KIT	CVF-8EXP fan, 1/3 HP Conductive Saddle Vent®, 6 & 15 foot conductive duct, conductive canister, conductive 90° elbow, and universal mount
CVFEX25KIT	CVF-8EXP fan, 1/3 HP Conductive Saddle Vent®, 6 & 25 foot conductive duct, conductive canister, conductive 90° elbow, and universal mount

Plug Not Included - See Master Catalog for ordering information

ATEX Certified Fans with 220/230 VAC, 50 Hz available. Contact Customer Service for Details

12" Saddle Vent®

Certified For Non-Hazardous Locations

CVF12CAN15



Universal Mount
SV-UM

SV-18912



The 12" Industrial Saddle Vent®

- Length: 51"
- Width: 21"
- Depth: 5.5"
- Top Opening: 12" O.D.
- Bottom Opening: 12" O.D.
- Flow Loss: Less than 1%
- Construction: Polyethylene
- Temperature Rating:
+250°F Melt Temp.
-158°F Brittleness Temp.
- Weight: 11 lbs.



The Saddle Vent® allows unrestricted entry and exit and improves ambient light in a confined space opening

The 12" Industrial Saddle Vent®

Model No.	Description
SV-18912-O	12" Industrial Saddle Vent® - orange
SV-UM	Universal Saddle Vent® mounting bracket

See Master Catalog for Full Confined Space Ventilation Product Line

12" Canister Fans

Model No.	Description
CVF12CAN15	CVF-12AC Axial fan, 1 HP, 15 foot duct with canister
CVF12CAN25	CVF-12AC Axial fan, 1 HP, 25 foot duct with canister

International Fans with 230 VAC, 50 Hz available. Contact Customer Service for details

12" Duct Canister Only

Model No.	Description
CVFCAN1215	12" Duct & canister, 15 foot duct
CVFCAN1225	12" Duct & canister, 25 foot duct

Ducting For Non-Hazardous Locations

12" Standard Ducting

Model No.	Description
SVH-1215	12" Diameter, 15 foot - yellow
SVH-1225	12" Diameter, 25 foot - yellow



12" Conductive Saddle Vent® Certified For Hazardous Locations

CVF12EXP15



See Master Catalog for
Full Confined Space
Ventilation Product Line

The 12" Conductive Saddle Vent®

Length: 51"
Width: 21"
Depth: 5.5"
Top Opening: 12" O.D.
Bottom Opening: 12" O.D.
Flow Loss: Less than 1%
Construction: Conductive Anti-Static Polyethylene
Temperature Rating:
+250°F Melt Temp.
-158°F Brittleness Temp.
Weight: 11 lbs.

SV-18912-B



The 12" Conductive Saddle Vent®

Model No.	Description
SV-18912-B	The 12" Conductive Saddle Vent® - black
SV-UM	Universal Saddle Vent® mounting bracket - steel

For Hazardous Locations



SV-UM

12" CVF Explosion-Proof Canister Fans and Canisters

Model No.	Description
CVF12EXP15	CVF-12EXP fan, 1 HP, 15 foot conductive duct, conductive canister, no plug
CVF12EXP25	CVF-12EXP fan, 1 HP, 25 foot conductive duct, conductive canister, no plug
Conductive Duct Canister Only - Fits 12" CVF Fans	
CVCAN1215C	Conductive duct canister with 15 foot conductive duct
CVCAN1225C	Conductive duct canister with 25 foot conductive duct

Plug Not Included - See Master Catalog for ordering information

**Conductive Ducting
For Hazardous
Locations**

12" Conductive Ducting

Model No.	Description
SVHCND1215	12" Diameter conductive duct, 15 foot - black
SVHCND1225	12" Diameter conductive duct, 25 foot - black

12" Conductive Ducting With Ground Wires
Attached to Each End of Wire Helix

ATEX Certified Fans with
220/230 VAC, 50 Hz
available. Contact
Customer Service for Details

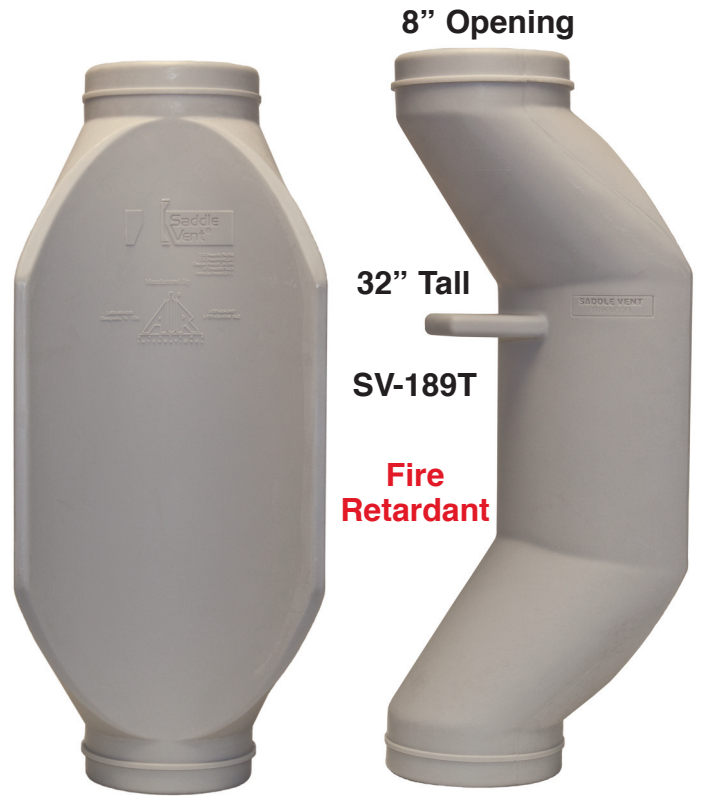


Ground Wire

The Saddle Vent® for Special Applications

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.**



**Custom industrial sizes available.
Contact Customer Service for more information**

The 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.

The Saddlator™

Pneumatic Powered Saddle Vent® Blower

The Saddlator™ provides positive or negative pressure ventilation for confined space entry operations in large work areas or tanks and is ideal for hazardous environments.

Specifications

- Conductive 8" Saddle Vent® with Venturi blower installed
- 90° bolt-on conductive elbow, supplied
- Air operated with no moving parts
- 1/2" Industrial Interchange plug
- Static ground lug installed
- Delivers 2000 - 3000 cfm with pressures from 50 - 100 psi

The Saddlator™

Model No.	Description
SV189-29	Saddlator™, positive pressure flow
SV189-29-N	Saddlator™, negative pressure flow
SV90-29	90° bolt-on elbow to fit Saddlator™
SV189T-29	Tank Saddlator™, with elbow, positive pressure flow
H-50-5	1/2" compressor connect hose w/O/D fitting – 50 foot
H-50-12	3/4" compressor connect hose w/O/D fitting – 50 foot

**SV189-29
Positive Pressure**

**SV189-29-N
Negative Pressure**

