



Confined Space Ventilation Safety

12" Axial Fans Non-Hazardous Locations

Issue: Confined spaces are some of the most dangerous and potentially life-threatening work environments in industry, making ventilation, respiratory and PPE equipment an integral component of a total safety program. US OSHA states "electrical equipment must be approved by a Nationally Recognized Testing Laboratory (NRTL) " . . . and stated in 29 CFR 1910.303(a). In addition, NRTL's must approve this equipment using US recognized test standards, 29 CFR 1910.7." Proper selection and training with approved hazardous location safety equipment can reduce the cause of potential accidents and even loss of life. In order to select the proper equipment, the worker must first determine whether the location is considered a **Hazardous** or **Non-Hazardous** location. If the location is deemed to be Hazardous or Potentially Hazardous, the ventilation blower must be approved for use in the hazard location and an explosion-proof electric or pneumatic blower should be chosen.

Application: In order to stabilize the atmosphere in the confined space, continuous ventilation should be used before and during occupancy of the confined space. These blowers can be used to provide fresh air to underground vaults, tanks, open pits, and many other similar areas.

Recommendation: Once the confined space is determined to be hazardous through the use of a gas detection meter, the correct blower can be chosen to meet the working conditions and available power. Always inspect the blower for loose parts or debris that may cause harm to a worker. Make sure all electric blowers are properly grounded. Make sure all confined space workers are trained on the use and proper application of the ventilation system and all other confined space tools. **If there is potential the atmosphere in the confined space could become hazardous, select an explosion-proof or intrinsically safe blower.**



CVF-12AC
12" Axial Fan



Blower and Fan Selection Guide
Available at
www.airsystems.com



www.airsystems.com



Model	Model No.	Free Air	15' 1-90° Bend	15' 2-90° Bends
12" Axial Fan	CVF-12AC	1,866 CFM	1,497 CFM	1,282 CFM
12" Axial Fan (50 HZ)	CVF-12AC50	1,555 CFM	1,248 CFM	1,068 CFM



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CVF-12AC
12" Axial Fan



Fans meet OSHA 29 CFR 1910.303(a) and 1910.7 electric certification requirement.



CVF12CAN15
12" Axial
Canister Fan



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12" Axial Fans

Description	ASI Item #
12" AC Axial Fan: 115VAC, 50/60 HZ, 1 HP, GFCI plug, 26 Lbs.	CVF-12AC
12" AC Axial Fan: 220VAC, 50 HZ, 1 HP, user specifies plug, 26 Lbs.	CVF-12AC50

For Non-Hazardous Locations

12" Axial Canister Fans

Description	ASI Item #
12" Axial Canister Fan: CVF-12AC fan, 15 foot duct canister, 46 Lbs.	CVF12CAN15
12" Axial Canister Fan: CVF-12AC fan, 25 foot duct canister, 53 Lbs.	CVF12CAN25

For Non-Hazardous Locations

12" Industrial Saddle Vent®

Description	ASI Item #
12" Industrial Saddle Vent® - orange, 11 Lbs.	SV-18912-O
Universal Saddle Vent® mounting bracket	SV-UM

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SV-18912-O
12" Industrial
Saddle Vent®

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