Confined Space Ventilation Safety

12” Easy-Stack™ In-Line Axial Fan
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 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. Select CVF-12EXP for use in hazardous locations.

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 non-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.**

12” Axial Fan
CVF-12ES

Stack Fans to Store

Model	Model No.	Free Air	15’ 1-90° Bend	25’ 1-90° Bend
12” AC Fan (60 Hz)	CVF-12ES	2,266 CFM	1,808 CFM	1,631 CFM

www.AirSystems.com

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CVF-12ES

The Easy-Stack™ is designed as a stand-alone fan or can be attached in series to boost ventilation in long lengths of ventilation duct. Intake and exhaust flanges allow 12” duct to be attached to either end of the blower to achieve positive or negative ventilation.

Certified for Outdoor Use

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

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

12” Easy-Stack™ In-Line Axial Fan Non-Hazardous Locations

Item No.	Description
CVF-12ES	12” AC Axial Fan - 1 HP, 115 VAC, 60 Hz. Intertek C/US Certified. CE Registered. 28 lbs

Standard Ducting Non-Hazardous Locations

Item No.	Description
SVH-1215	12″ Diameter duct, 15 foot - yellow
SVH-1225	12″ Diameter duct, 25 foot - yellow

The Saddle Vent® Non-Hazardous Locations

Item No.	Description
SV-18912-O	12” Industrial Saddle Vent® - orange
SV-UM	Universal Saddle Vent® mounting bracket - steel

12” Industrial Saddle Vent®

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