



Confined Space Ventilation Safety

10" 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 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.**



SVF-10E
10" In-Line Axial Fan

Connect Multiple Blowers in Series
to Run Long Sections of Air Duct



Fan CFM

Model No.	Free Air	15' 1-90° Bend	15' 2-90° Bends
SVF-10E	1390 CFM	870 CFM	858 CFM
SVF-10AC50	1159 CFM	725 CFM	715 CFM





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SVF-10E
10" In-Line Axial Fan



SVF-10ECUP
10" In-line
Ventilation Kit



10" In-Line Steel Axial Fan for Non-Hazardous Locations

Description	ASI Part #
10" Electric in-line fan: 1/3 HP, 115 VAC, 60 HZ. 30 lbs.	SVF-10E
10" Electric in-line fan: 1/3 HP, 220 VAC, 50 HZ. 30 lbs.	SVF-10AC50
10" Electric In-line Ventilation Kit: SVF-10E fan, Industrial Saddle Vent®, 6 & 15 foot duct, canister, 90° elbow, and universal mount	SVF-10ECUP

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

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

