



Confined Space Ventilation Safety

10" In-line Axial Fan 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.**



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-10EXP	1390 CFM	870 CFM	678 CFM
SVF-10X220	1159 CFM	725 CFM	715 CFM

10" In-Line Explosion-Proof Fan



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





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10" In-line Explosion-Proof Fan

- 1/3 HP, continuous duty, 115VAC, 1-phase, 60 Hz
- Built-in on/off switch
- Intake and exhaust flanges allow for either 8" or 10" duct
- Automatic reset thermal overload
- Dual grounding lugs installed on steel housing
- Steel frame, powder coated red with rubber base feet
- Inlet/exhaust flange made of molded conductive polyethylene
- 25 foot power cord - no plug (optional plug available)
- CSA / UL Approved Explosion-Proof for Class I, Groups C and D, Class II, Groups E, F, and G environments
- ATEX / IECEx version 220 VAC, 50/60 Hz



SVF10EXCUP In-line Explosion-Proof Axial Ventilation Kit



Conductive
Saddle Vent®
covered by
US and Foreign
Patents

10" In-Line Explosion-Proof Fan Kit for Hazardous Locations

Description	ASI Part #
10" Explosion-proof electric in-line fan: 1/3 HP, 115 VAC, 60 Hz, continuous duty, 1-phase, CSA / CE Approved, plug not provided, 38 lbs.	SVF-10EXP
10" Explosion-proof electric in-line fan: 1/3 HP, 220 VAC, 50/60 Hz, continuous duty, ATEX / IECEx approved, plug not provided, 38 lbs	SVF-10X220
10" In-line Explosion-proof Axial Ventilation Kit: SVF-10EXP Explosion-proof Axial Fan, Conductive Saddle Vent®, 6 & 15 foot conductive duct, canister, conductive 90° elbow, and universal mount	SVF10EXCUP

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



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