



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.**

Explosion-Proof Models	Model No.	Free Air	25' 1-90° Bend	25' 2-90° Bends
10" EXP Blower (60 Hz)	SVF-10EXP	994 CFM	738 CFM	678 CFM
10" EXP Blower (50 Hz)	SVF-10X220	828 CFM	615 CFM	565 CFM



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

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





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SVF-10EXP
10" In-Line
Explosion-Proof Fan



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

Conductive Saddle Vent®
covered by
US & Foreign Patents



10" Explosion-Proof
Electric Ventilation Kit

Fans Approved for Hazardous Locations:

SVF-10EXP - CSA C/US certified for Classes I and II, Groups C, D, E, F, and G.

SVF-10X220 - ATEX and IECEx certified for II 2 Gc Ex d IIB T6 Gb

10" In-Line Steel Axial Fans

Item No.	Description
SVF-10EXP	10" Explosion-proof electric in-line fan, continuous duty, 1/3 HP, 115 VAC, 1-phase, 60 Hz. CSA C/US Certified. CE Registered. 38 lbs. No plug.
SVF-10X220	10" Explosion-proof electric in-line fan, continuous duty, 1/3 HP, 230 VAC, 50/60 Hz. 7.6 meter cord ATEX and IECEx certified. 38 lbs. No plug.

Explosion-Proof plug sold separately. See Full Line Catalog for details.

10" In-Line Electric Ventilation Kits

Item No.	Description
SVF10EXCUP	SVF-10EXP fan, Conductive Saddle Vent®, 6 & 15 foot 8" conductive duct, duct canister, conductive 90° elbow, and universal mount. No Plug.

Explosion-Proof plug sold separately. See Full Line Catalog for details.



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