

Occupational Health & Safety Inlet Filter for “SVB” Series Portable Blowers

Issue: Fans and blowers are used to push fresh ambient air into a confined space to provide safe breathing air for workers. If the inlet air contains airborne dust or particulates, the debris is drawn into the intake and pushed into the confined space with the worker creating a potentially hazardous situation. ANSI standard Z9.9 and safe work practices recommends the use of an inlet filter when dust is a potential hazard to the confined space worker.

Application: The inlet filter holder is designed to fit Air Systems’ series of “SVB” style industrial blowers. The replaceable 5.0 micron rated filter attaches to the 8” inlet opening using the inlet filter holder. **The filter traps airborne particles 5.0 microns and larger in size with less than 1% flow loss to the ventilation system.**

Recommendation: The inlet filter should be changed when the filter becomes clogged or when significant flow loss is experienced. The filter holder assembly should be removed and stored in a safe location when the blower is not in use. If the dust in the area of the blower is known to be a toxic or a hazardous particulate, Air Systems offers a HEPA (High Efficiency Particulate Air) filter, SVB-IF9HE, to capture this type of dust or particulate. This style of filter is more dense than the standard filter and the SVB style blower will experience approximately a 40% flow loss with a HEPA filter (available through sourcing only). This condition may require the use of additional blowers for achieving proper ventilation flow to the workers.



Reference: ANSI Standard Z9.9 and safe work practices recommends the use of an inlet filter when dust is a potential hazard to the confined space worker.



3PAR7
(SVB-IFH9)



3PAR8
(SVB-IF9ST)



Air Flow ←

Inlet Filter and Accessories

Description	ASI Part #	Grainger Item #
Inlet filter holder, no filter	SVB-IFH9	3PAR7
Inlet filter, 99% efficient at 5 micron	SVB-IF9ST	3PAR8