

Air Vent Square (AVS/AVSC) Filter

- Suited for low headroom applications
- Side door access to bottom load filter media
- Can be fitted with either bags or pleated cartridges, depending on efficiency requirements
- Compressed air dislodges captured dust from filter media



Application

Typically used as a nuisance dust collector for heavy dustloads. Because the AVS filter offers bottom bag replacement through side doors, it's well suited for applications with low headroom. The AVS can also be fitted with pleated cartridge media to improve efficiencies. When fitted with cartridges, the unit is designated as an AVSC.

Equipment

Electronically timed compressed air is released into a row of filter bags during operation. These pulses dislodge the captured dust and allow the filter to clean itself without shutting down the operation. Schenck Process offers this filter in two styles: with and without a hopper.

Without the hopper (Style II) the filter is ideally suited as a bin vent filter for storage tanks, work bins and surge hoppers.

With a 60° hopper (Style III) the filter receives dust through a hopper entry inlet and discharges the collected dust through an airlock for dust disposal or recycling.

Standard specifications

- Unit stressed for 17" W.C. and 180 °F standard temperature. AVS Filters can also be customized for higher operating static pressures to meet specific application requirements.
- Carbon steel construction:
 - Top plenum and baghouse: 12 ga.
 - Hopper AVS9 and 16: 10 ga.
 - Hopper AVS25 and larger: 7 ga.
- Full welded exterior and skip welded interior
- 36 bag units and larger have reinforced housing and tubesheet
- Broke lip flange on top plenum, baghouse, and hopper
- Hopper discharge flange: 1/4" x 1-1/2" flat bar
- Arrangement:
 - Service door and header @ 3:00
 - Exhaust @ 9:00
 - Inlet @ 9:00
 - (Flanged hopper does allow for rotating hopper relative to housing on 90° increments)

Air Vent Square (AVS/AVSC) Filter Dimensions

Model	Cloth Area (Sq. Ft.)	Number of Bags	Dimensions (inches)		
			A	B	C
18AVS9	17	9	26	82-5/8	40-1/8
36AVS9	38			94-5/8	52-1/8
54AVS9	60			112-5/8	70-1/8
72AVS9	81			130-5/8	88-1/8
18AVS16	30	16	34-1/2	90-5/8	40-1/8
36AVS16	69			102-5/8	52-1/8
54AVS16	107			120-5/8	70-1/8
72AVS16	145			138-5/8	88-1/8
96AVS16	196	25	43	162-5/8	112-1/8
18AVS25	48			98-5/8	40-1/8
36AVS25	108			110-5/8	52-1/8
54AVS25	167			128-5/8	70-1/8
72AVS25	227	36	51-1/2	146-5/8	88-1/8
96AVS25	307			170-5/8	112-1/8
36AVS36	155			118-5/8	52-1/8
54AVS36	241			136-5/8	70-1/8
72AVS36	327	49	60	154-5/8	88-1/8
96AVS36	442			178-5/8	112-1/8
36AVS49	211			126-5/8	52-1/8
54AVS49	328			144-5/8	70-1/8
72AVS49	445	64	68-1/2	162-5/8	88-1/8
96AVS49	602			186-5/8	112-1/8
36AVS64	276			134-5/8	52-1/8
54AVS64	429			152-5/8	70-1/8
72AVS64	582			170-5/8	88-1/8
96AVS64	786			194-5/8	112-1/8

