

Square Top Removal (ST/STC) Filter

- Fast changeout of filter media
- Hinged top doors allow clean air access to filter media
- Can be fitted with either bags or pleated cartridges, depending on efficiency requirements



Application

The ST filter has a square housing and hinged top doors in the clean air plenum for easy access to the tubesheet and filter media.

This square bodied pulse jet cleaned filter unit is designed to handle low air volumes. It is typically used as a nuisance dust collector in applications where floor space is limited. As filter media is removed vertically from the top clean section, the ST filter is also suitable for hazardous dusts.

Equipment

Style II filter includes the clean air plenum with hinged top doors, tubesheet, flanged air outlet, removable internal air piping, 4" compressed air header, 3/4" diaphragm air valves, and adjustable timer. Timer and solenoid valves are mounted and pre-wired in a NEMA 12 enclosure mounted on a compressed air header. There is a 12 ga. bag housing flanged to the plenum and mounting flange at the base of the housing.

Style III filter includes all above components plus a 60° hopper flanged to the housing, and stub air inlet.

The same filter housing can be fitted with pleated cartridges for higher filtration efficiencies, and is then designated as an STC. STC models can handle higher air volumes than the ST model.

Standard specifications

- Unit stressed for 17" W.C. and 180 °F standard temperature
- Carbon steel construction:
 - Top plenum and baghouse: 12 ga.
 - Hopper ST9 and 16: 10 ga.
 - Hopper ST25 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

Square Top Removal (ST/STC) Filter Dimensions

Model	Cloth Area (Sq. Ft.)	Number of Bags	Dimensions (inches)		
			A	B	C
18ST9	19	9	26	78-11/16	36-3/16
36ST9	41			96-11/16	54-3/16
54ST9	62			114-11/16	72-3/16
72ST9	84			132-11/16	90-3/16
18ST16	35	16	34-1/2	86-11/16	36-3/16
36ST16	73			104-11/16	54-3/16
54ST16	111			122-11/16	72-3/16
72ST16	149			140-11/16	90-3/16
96ST16	200	25	43	164-11/16	114-3/16
18ST25	54			94-11/16	36-3/16
36ST25	114			112-11/16	54-3/16
54ST25	174			130-11/16	72-3/16
72ST25	234	36	51-1/2	148-11/16	90-3/16
96ST25	313			172-11/16	114-3/16
36ST36	164			120-11/16	54-3/16
54ST36	250			138-11/16	72-3/16
72ST36	336	49	60	156-11/16	90-3/16
96ST36	451			180-11/16	114-3/16
36ST49	224			128-11/16	54-3/16
54ST49	341			146-11/16	72-3/16
72ST49	458	64	68-1/2	164-11/16	90-3/16
96ST49	614			188-11/16	114-3/16
36ST64	293			136-11/16	54-3/16
54ST64	446			154-11/16	72-3/16
72ST64	599	96	86	172-11/16	90-3/16
96ST64	803			196-11/16	114-3/16

