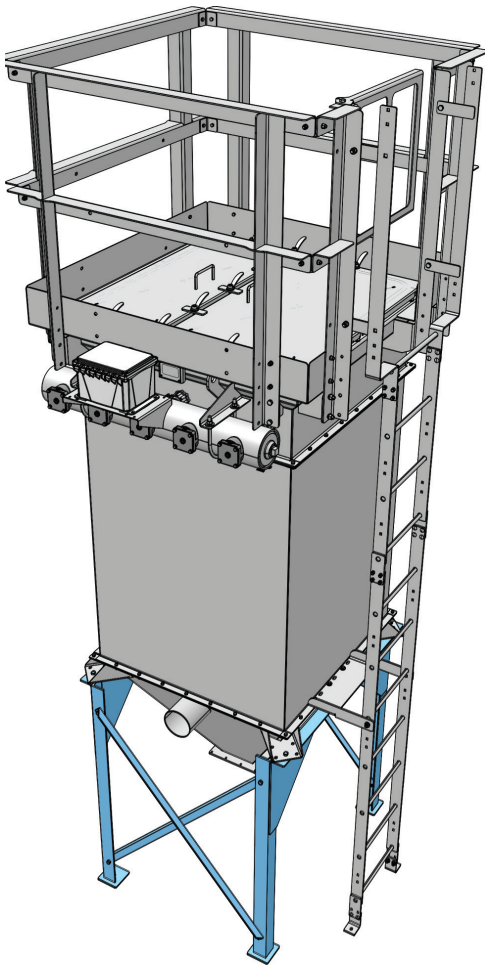


Square Top Removal (ST/STC) Filter



PRODUCT OVERVIEW AND CONSTRUCTION

The ST filter is a square bodied pulse jet cleaned filter designed to handle low air volumes.

Coperion offers the filter in two styles, Style II and Style III. The Style II filter includes the clean air plenum with hinged top doors, tubesheet, flanged air outlet, removable internal air piping, 102 mm (4") compressed air header, 19 mm (3/4") diaphragm air valves, and an adjustable timer. Timer and solenoid valves are mounted and pre-wired in a NEMA 4X polycarbonate enclosure. The NEMA 4X polycarbonate enclosure is mounted on a compressed air header. There is a bag housing flanged to the plenum and mounting flange at the base of the housing.

The Style III filter includes all the components listed above plus a 60° hopper flanged to the housing, and hopper entry inlet or a high entry 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.

KEY APPLICATIONS

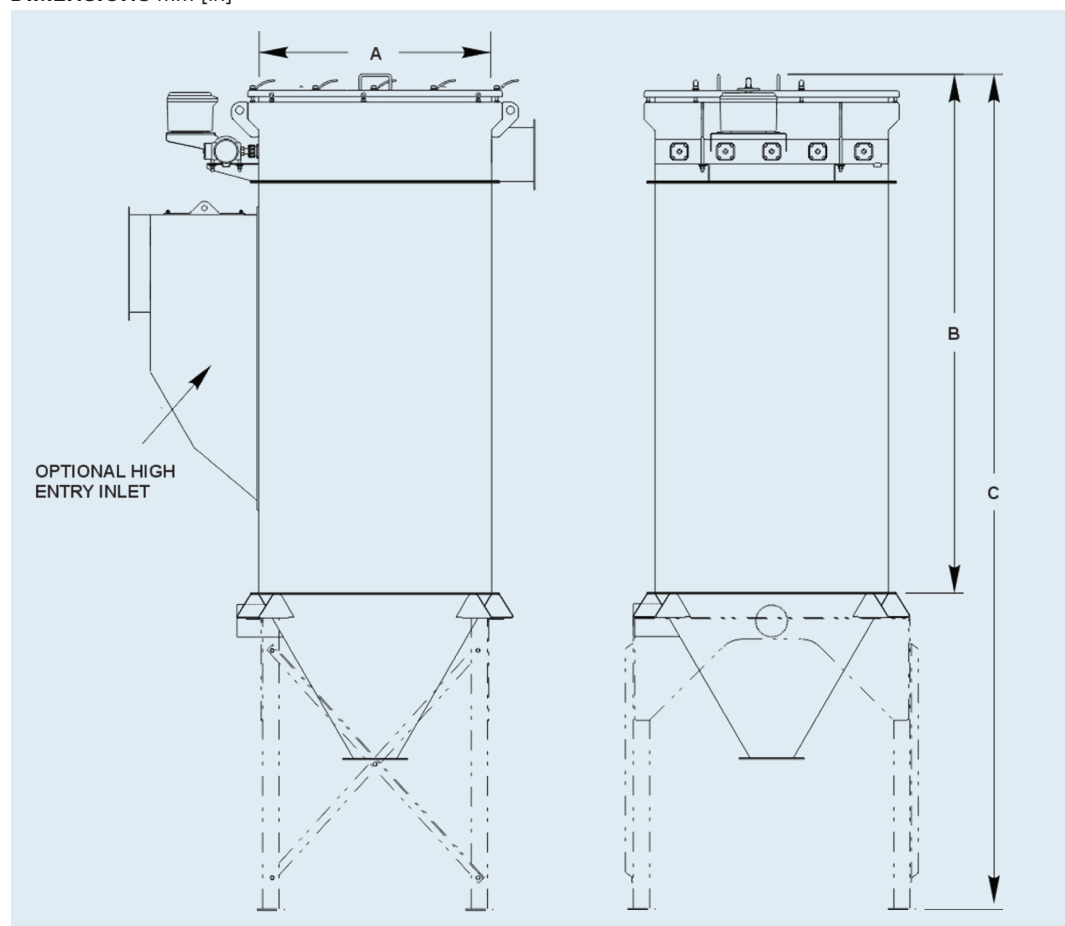
The ST filter is typically used as a nuisance dust collector in applications where floor space is limited. As filter media is removed vertically from the top clean section, the ST filter is also suitable for hazardous dusts with most food processing blower package installations.

SPECIFICATIONS

- Unit stressed ± 762 mm (30") W.C. and 3.7 PSI Pred.
- Standard temperature rating: 82 °C [180 °F]
Optional construction up to 204 °C [400 °F]
(STC max. temperature rating: 93 °C [200 °F])
- Carbon steel or stainless steel construction
- Full welded exterior and skip welded interior
- Optional high entry inlet with internal removable baffles
- Optional 70° hopper

Square Top Removal (ST/STC) Filter

DIMENSIONS mm [in]



MODEL	CLOTH AREA SQ. M [SQ. FT.]	NUMBER OF	A mm [in]	B mm [in]	C mm [in]
18ST9	1.77 [19]	9	660 [26]	1273 [50.13]	2353 [92.63]
36ST9	3.81 [41]			1527 [60.13]	2607 [102.63]
54ST9	5.76 [62]			1984 [78.13]	3064 [120.63]
72ST9	7.8 [84]			2442 [96.13]	3521 [138.63]
18ST16	3.25 [35]	16	876 [34.5]	1273 [50.13]	2556 [100.63]
36ST16	6.78 [73]			1527 [60.13]	2810 [110.63]
54ST16	10.31 [111]			1984 [78.13]	3267 [128.63]
72ST16	13.84 [149]			2442 [96.13]	3724 [146.63]
96ST16	18.58 [200]	25	1092 [43]	3051 [120.13]	4334 [170.63]
18ST25	5.02 [54]			1273 [50.13]	2759 [108.63]
36ST25	10.59 [114]			1527 [60.13]	3013 [118.63]
54ST25	16.17 [174]			1984 [78.13]	3470 [136.63]
72ST25	21.74 [234]	36	1308 [51.5]	2442 [96.13]	3928 [154.63]
96ST25	29.08 [313]			3051 [120.13]	4537 [178.63]
36ST36	15.24 [164]			1527 [60.13]	3216 [126.63]
54ST36	23.23 [250]			1984 [78.13]	3674 [144.63]
72ST36	31.22 [336]	49	1524 [60]	2442 [96.13]	4131 [162.63]
96ST36	41.9 [451]			3051 [120.13]	4740 [186.63]
36ST49	20.81 [224]			1527 [60.13]	3420 [134.63]
54ST49	31.68 [341]			1984 [78.13]	3877 [152.63]
72ST49	42.55 [458]	64	1740 [68.5]	2442 [96.13]	4334 [170.63]
96ST49	57.04 [614]			3051 [120.13]	4944 [194.63]
36ST64	27.22 [293]			1527 [60.13]	3623 [142.63]
54ST64	41.44 [446]			1984 [78.13]	4080 [160.63]
72ST64	55.65 [599]	64	1740 [68.5]		4537 [178.63]
96ST64	74.6 [803]			3051 [120.13]	5147 [202.63]

Scheduled dimensions are for general information only. For specific dimensions, request a general dimension drawing.