

Large Square Top Removal (LST/LSTC) Filter

- Topside bag replacement speeds 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 LST 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 medium to high air volumes. It is typically used as a nuisance dust collector in applications where floor space is limited. Because filter media is removed vertically from the top clean section, the LST filter is also suitable for hazardous dusts.

Equipment

Designed for large air capacities, the Coperion LST has top side bag replacement and an optional walk-in clean air plenum. Hinged top doors open to the clean-air plenum and allow easy access to the tubesheet and filter media.

Coperion offers this filter in two styles: without the hopper (Style II) the filter is ideally suited as a bin vent filter for storage tanks, work bins and surge hoppers.

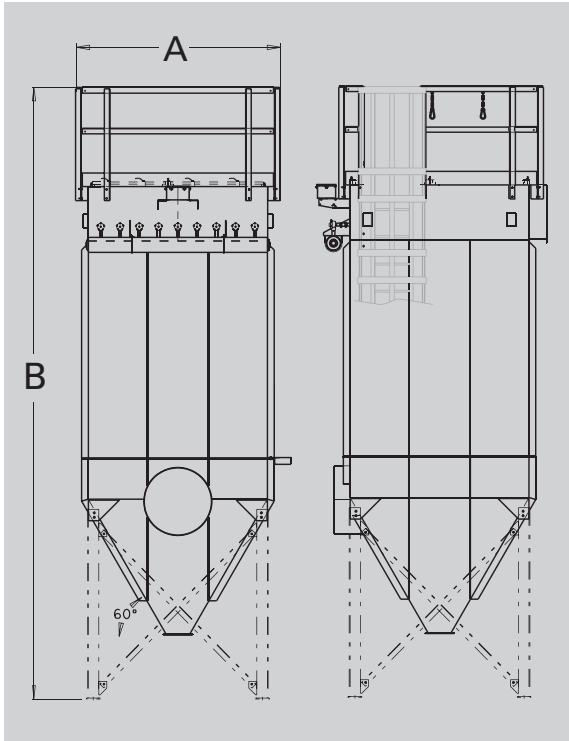
With a 60° hopper (Style III) the filter receives dust through the hopper inlet and discharges the collected dust through an airlock for dust disposal or recycling.

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

Standard Specifications

- Unit stressed for 30" W.C. and 180 °F standard temperature
- Carbon steel construction:
 - Clean air plenum: 7 ga.
 - Baghouse and hopper: Reinforced 10 ga.
 - Rated for 3 psi Pred
- Full welded exterior except reinforcing and skip welded interior
- Broke flanges at top plenum, baghouse, and hopper
- Immersion style diaphragm valves
- Formed angle horizontal housing ribs

Dimensions



Model	Cloth Area (Sq. Ft.)	Number of Bags	SCFM Cleaning Air	Dimensions - inches (mm)	
				A	B
96LST64	803	64	10	82.5 (2,096 mm)	267 (6,782 mm)
120LST64	1,007				291 (7,391 mm)
144LST64	1,211				315 (8,001 mm)
96LST81	1,016	81	10	91 (2,311 mm)	274.38 (6,969 mm)
120LST81	1,274				298.38 (7,579 mm)
144LST81	1,533				322.38 (8,188 mm)
96LST100	1,255	100	21	99.5 (2,527 mm)	281.75 (7,156 mm)
120LST00	1,574				305.75 (7,766 mm)
144LST00	1,893				329.75 (8,376 mm)
96LST144	1,807	144	42	166.5 (4,229 mm)	296.44 (7,530 mm)
120LST144	2,266				320.44 (8,139 mm)
144LST144	2,725				344.44 (8,749 mm)
96LST196	2,459	196	42	133.5 (3,391 mm) ⁸	311.63 (7,915 mm)
120LST196	3,085				335.63 (8,525 mm)
144LST196	3,710				359.63 (9,135 mm)

Model	Cloth Area (Sq. Ft.)	Number of Cartridges	SCFM Cleaning Air	Dimensions - inches (mm)	
				A	B
39LSTC64	2,297	64	10	82.5 (2,096 mm)	210 (5,334 mm)
55LSTC64	3,270				226 (5,740 mm)
39LSTC81	2,907	81	10	91 (2,311 mm)	217.38 (5,521 mm)
55LSTC81	4,139				233.38 (5,928 mm)
39LSTC100	3,590	100	21	99.5 (2,527 mm)	224.75 (5,709 mm)
55LSTC100	5,110				240.75 (6,115 mm)
39LSTC144	5,169	144	42	116.5 (2,959 mm)	239.44 (6,082 mm)
55LSTC144	7,358				255.44 (6,488 mm)
39LSTC196	7,036	196	42	133.5 (3,391 mm)	254.63 (6,468 mm)
55LSTC196	10,015				270.63 (6,874 mm)

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