



Vent and collect dust in any contained vessel

The Modu-Kleen bin vent/dust filter is designed to vent bins, storage silos, mixers, blenders, pneumatic conveying systems of any type or any other device or process that must contain or control dust particles. It can meet the most stringent air pollution codes. The Modu-Kleen bin vent/dust filter is controlled by solid state electronics and is self cleaning for minimum maintenance.

Unique nozzle improves filter efficiency

A special high precision, reverse air nozzle directs a shock wave down the entire length of the cartridge during the cleaning cycle. This shock wave improves the Modu-Kleen bin vent/dust filter's efficiency when compared to other type dust collectors that direct the shock wave over only a portion of the filter media. Cleaning takes place when a pressure differential is detected across the media. This saves on filter life considerably and reduces compressed air usage. Thus the cleaning process does not over clean the cartridge filters and actually improves the filtering efficiency. The cartridges are also cleaned individually, allowing the Modu-Kleen bin vent/dust filter to operate continuously and insuring optimum performance while cleaning.

Features

- Quick release cartridge
- Solid state sequencing timer
- Grid under cartridges for safety
- Heavy duty, all welded construction
- 99%+ efficiency
- High air to filter media ratio
- Low maintenance
- Adapts to exhauster for negative pressure and/or multiple pick-up points
- Pressure differential cleaning

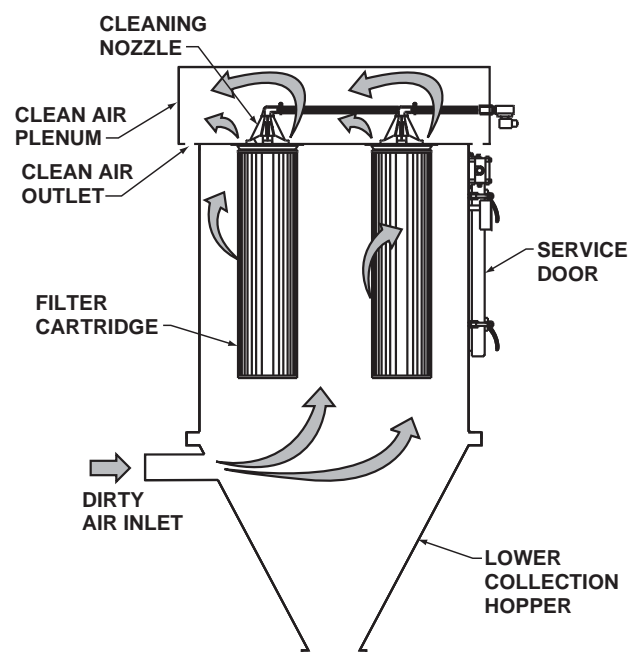
How the Modu-Kleen bin vent/dust filter works

Dust laden air is drawn into the Modu-Kleen dust filter by either a fan mounted on the discharge side of the dust filter, or by a positive air source such as a pneumatic conveying system. Air enters the dust filter through a bottom hopper or storage bin and passes up through the filter cartridge. Clean air then passes through the cartridge into the clean air plenum and out to the atmosphere. Filtered material then drops into the lower collection hopper.

The Modu-Kleen bin vent/dust filter will handle

- | | | |
|---------------------|---------------|------------------|
| ■ Alumina | ■ Feldspar | ■ Milk powder |
| ■ Ball clay | ■ Fine coal | ■ PVC resin |
| ■ Barite | ■ Flour | ■ Quartz |
| ■ Bauxite | ■ Fluorspar | ■ Silica sand |
| ■ Bentonite | ■ Fly ash | ■ Soda ash |
| ■ Borax | ■ Gypsum | ■ Sodium sulfate |
| ■ Calcium carbonate | ■ Iron oxide | ■ Sugar |
| ■ Cement | ■ Kaolin clay | ■ Talc |
| | ■ Lime | ■ And more |

Typical application



Dimensions and specifications

Series 343

MODEL NO.	FILTER AREA	NO. OF CARTRIDGES	COMPRESSED AIR REQUIREMENTS	DIMENSIONS															SHIP WEIGHT	
				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R		S
200	200 sq. ft. (19 sq. m)	2	17 SCFM (29 SCMh)	21.00" 533mm	42.00" 1067mm	25.00" 635mm	46.00" 1168mm	6	3.88" 98mm	9	4.00" 102mm	.88" 22mm	1.00" 25mm	57.00" 1448mm	4.00" 102mm	36.69" 932mm	49.00" 1245mm	12.00" 305mm	30.00" 762mm	450 lbs 204 kgs
400	400 sq. ft. (37 sq. m)	4	17 SCFM (29 SCMh)	42.00" 1067mm	42.00" 1067mm	46.00" 1168mm	46.00" 1168mm	11	4.00" 102mm	9	4.00" 102mm	1.00" 25mm	1.00" 25mm	57.00" 1448mm	4.00" 102mm	57.69" 1465mm	49.00" 1245mm	12.00" 305mm	30.00" 762mm	650 lbs 295 kgs
600	600 sq. ft. (56 sq. m)	6	17 SCFM (29 SCMh)	42.00" 1067mm	63.00" 1600mm	46.00" 1168mm	67.00" 1702mm	11	4.00" 102mm	14	4.06" 103mm	1.00" 25mm	1.00" 25mm	57.00" 1448mm	4.06" 103mm	57.69" 1465mm	70.00" 1778mm	12.00" 305mm	30.00" 762mm	900 lbs 408 kgs
900	900 sq. ft. (84 sq. m)	9	34 SCFM (58 SCMh)	63.00" 1600mm	63.00" 1600mm	67.00" 1702mm	67.00" 1702mm	16	4.06" 103mm	14	4.06" 103mm	1.00" 25mm	1.00" 25mm	57.00" 1448mm	4.06" 103mm	75.88" 1927mm	70.00" 1778mm	12.00" 305mm	30.00" 762mm	1200 lbs 544 kgs
1200	1200 sq. ft. (111 sq. m)	12	34 SCFM (58 SCMh)	63.00" 1600mm	84.00" 2134mm	67.00" 1702mm	88.00" 2235mm	16	4.06" 103mm	17	4.00" 102mm	1.00" 25mm	1.00" 25mm	57.00" 1448mm	5.00" 127mm	75.88" 1927mm	91.00" 2311mm	12.00" 305mm	30.00" 762mm	1500 lbs 680 kgs

Series 352

MODEL NO.	FILTER AREA	NO. OF CARTRIDGES	COMPRESSED AIR REQUIREMENTS	DIMENSIONS															SHIP WEIGHT	
				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R		S
100	100 sq. ft. (9 sq. m)	2	17 SCFM (29 SCMh)	16.00" 406mm	32.00" 813mm	20.00" 508mm	36.00" 914mm	5	3.62" 92mm	7	3.75" 95mm	.94" 24mm	1.12" 28mm	39.00" 991mm	3.75" 95mm	31.69" 805mm	39.00" 991mm	3.50" 89mm	22.00" 559mm	275 lbs 125 kg
200	200 sq. ft. (19 sq. m)	4	17 SCFM (29 SCMh)	32.00" 813mm	32.00" 813mm	36.00" 914mm	36.00" 914mm	9	3.75" 95mm	7	3.75" 95mm	1.12" 28mm	1.12" 28mm	39.00" 991mm	3.75" 95mm	47.69" 1211mm	39.00" 991mm	3.50" 89mm	22.00" 559mm	375 lbs 170 kg
300	300 sq. ft. (28 sq. m)	6	34 SCFM (58 SCMh)	32.00" 813mm	48.00" 1219mm	36.00" 914mm	52.00" 1321mm	9	3.75" 95mm	12	3.56" 90mm	1.12" 28mm	1.06" 27mm	39.00" 991mm	3.56" 90mm	44.88" 1140mm	55.00" 1397mm	3.50" 89mm	22.00" 559mm	500 lbs 227 kg
450	450 sq. ft. (42 sq. m)	9	34 SCFM (58 SCMh)	48.00" 1219mm	48.00" 1219mm	52.00" 1321mm	52.00" 1321mm	14	3.56" 90mm	12	3.56" 90mm	1.06" 27mm	1.06" 27mm	39.00" 991mm	3.56" 90mm	60.88" 1546mm	55.00" 1397mm	3.50" 89mm	22.00" 559mm	650 lbs 295 kg

Options

- Stainless steel construction
- Negative pressure fan
- Custom finishes/coatings
- Hopper bottom
- 24 VDC electric supply
- Secondary filter



Quick opening door with heavy-duty door seal.

Power requirements

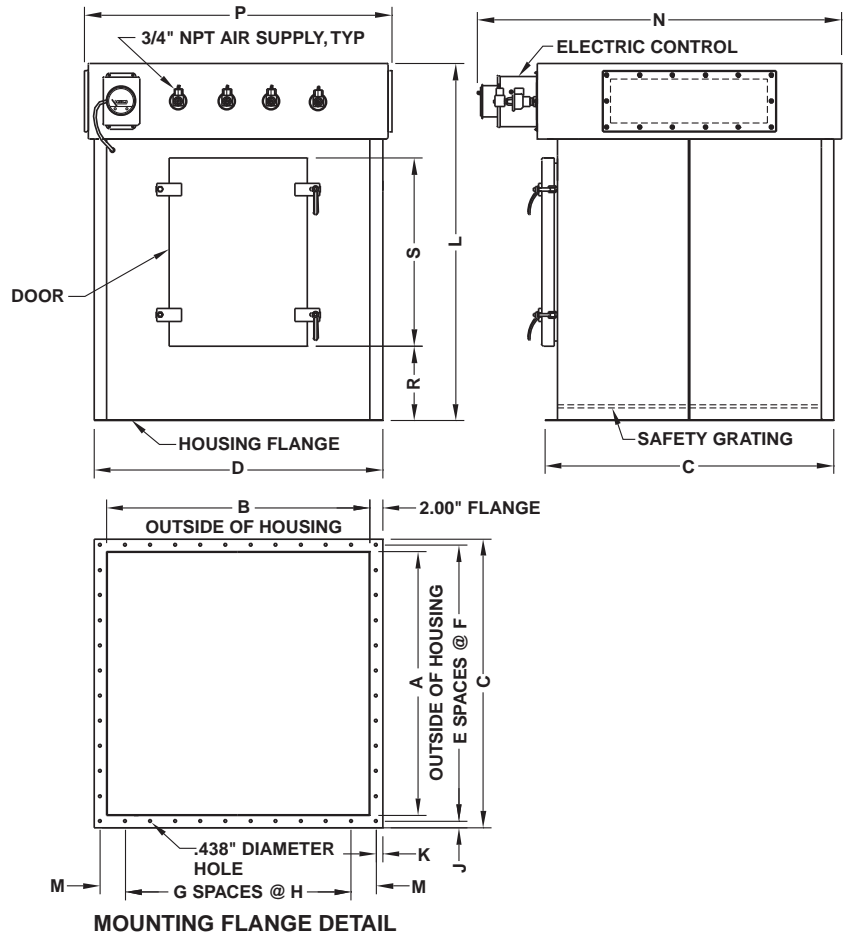
Air supply: 90-115 PSIG (6.2 - 7.9 barg)

Electrical supply: 110/120 VAC 50/60 Hz

Specifications subject to change without notice.

U.S. Patent 4836834

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