



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

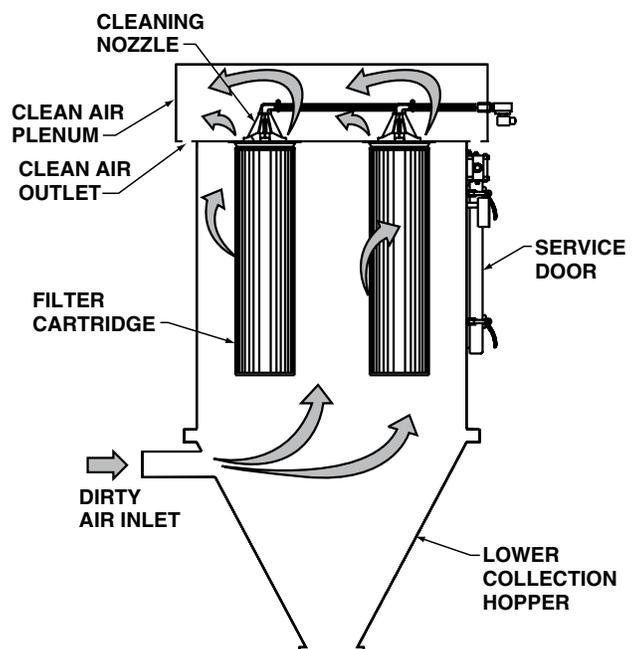
How the Modu-Kleen bin vent/dust filter works

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	152 sq. ft. (14 sq. m)	2	17 SCFM (29 SCMh)	21.00"	42.00"	25.00"	46.00"	6	3.88"	9	4.00"	.88"	1.00"	57.00"	4.00"	32.88"	52.25"	12.00"	30.00"	450 lbs
				533mm	1067mm	635mm	1168mm		98mm		102mm	102mm	25mm	1448mm	102mm	835mm	1327mm	305mm	762mm	204 kgs
400	304 sq. ft. (28 sq. m)	4	17 SCFM (29 SCMh)	42.00"	42.00"	46.00"	46.00"	11	4.00"	9	4.00"	1.00"	1.00"	57.00"	4.00"	54.00"	52.25"	12.00"	30.00"	650 lbs
				1067mm	1067mm	1168mm	1168mm		102mm		102mm	25mm	25mm	1448mm	102mm	1372mm	1327mm	305mm	762mm	295 kgs
600	456 sq. ft. (42 sq. m)	6	17 SCFM (29 SCMh)	42.00"	63.00"	46.00"	67.00"	11	4.00"	14	4.06"	1.00"	1.00"	57.00"	4.06"	54.00"	73.25"	12.00"	30.00"	900 lbs
				1067mm	1600mm	1168mm	1702mm		102mm		103mm	25mm	25mm	1448mm	103mm	1372mm	1861mm	305mm	762mm	408 kgs
900	684 sq. ft. (64 sq. m)	9	34 SCFM (58 SCMh)	63.00"	63.00"	67.00"	67.00"	16	4.06"	14	4.06"	1.00"	1.00"	57.00"	4.06"	75.00"	73.25"	12.00"	30.00"	1200 lbs
				1600mm	1600mm	1702mm	1702mm		103mm		103mm	25mm	25mm	1448mm	103mm	1905mm	1861mm	305mm	762mm	544 kgs
1200	912 sq. ft. (85 sq. m)	12	34 SCFM (58 SCMh)	63.00"	84.00"	67.00"	88.00"	16	4.06"	17	4.00"	1.00"	1.00"	57.00"	5.00"	74.00"	94.25"	12.00"	30.00"	1500 lbs
				1600mm	2134mm	1702mm	2235mm		103mm		102mm	25mm	25mm	1448mm	127mm	1880mm	2394mm	305mm	762mm	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	76 sq. ft. (7 sq. m)	2	17 SCFM (29 SCMh)	16.00"	32.00"	20.00"	36.00"	5	3.62"	7	3.75"	.94"	1.12"	39.00"	3.75"	28.00"	42.42"	3.50"	22.00"	275 lbs
				406mm	813mm	508mm	914mm		92mm		95mm	24mm	28mm	991mm	95mm	711mm	1077mm	89mm	559mm	125 kg
200	152 sq. ft. (14 sq. m)	4	17 SCFM (29 SCMh)	32.00"	32.00"	36.00"	36.00"	9	3.75"	7	3.75"	1.12"	1.12"	39.00"	3.75"	44.00"	42.42"	3.50"	22.00"	375 lbs
				813mm	813mm	914mm	914mm		95mm		95mm	28mm	28mm	991mm	95mm	1118mm	1077mm	89mm	559mm	170 kg
300	228 sq. ft. (21 sq. m)	6	34 SCFM (58 SCMh)	32.00"	48.00"	36.00"	52.00"	9	3.75"	12	3.56"	1.12"	1.06"	39.00"	3.56"	44.00"	58.42"	3.50"	22.00"	500 lbs
				813mm	1219mm	914mm	1321mm		95mm		90mm	28mm	27mm	991mm	90mm	1118mm	1484mm	89mm	559mm	227 kg
450	342 sq. ft. (32 sq. m)	9	34 SCFM (58 SCMh)	48.00"	48.00"	52.00"	52.00"	14	3.56"	12	3.56"	1.06"	1.06"	39.00"	3.56"	60.00"	58.42"	3.50"	22.00"	650 lbs
				1219mm	1219mm	1321mm	1321mm		90mm		90mm	27mm	27mm	991mm	90mm	1524mm	1484mm	89mm	559mm	295 kg

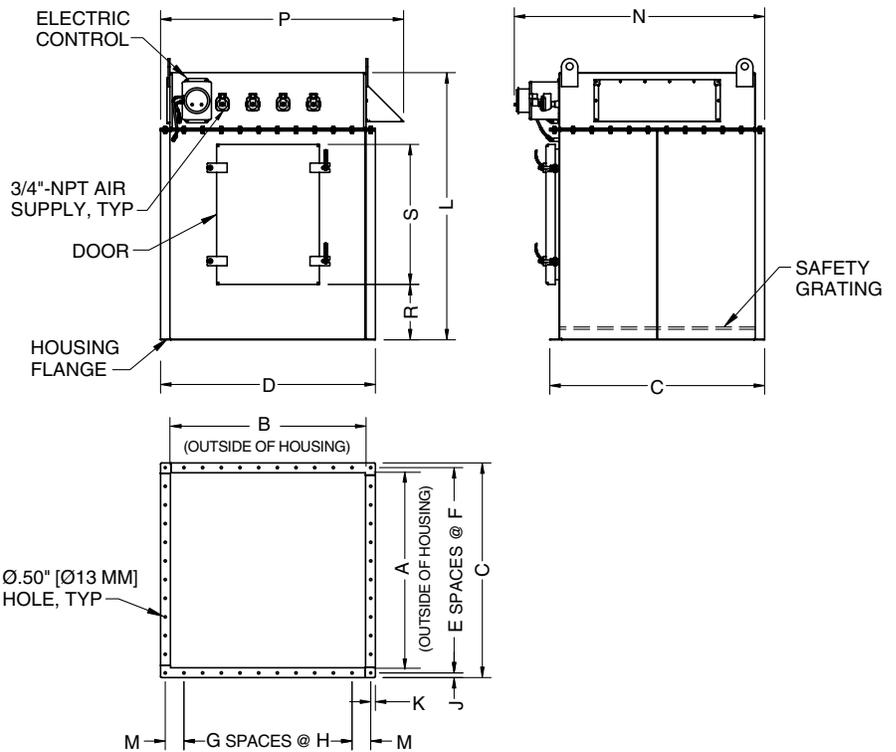
* Based on standard Hypoly media.

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.



MOUNTING FLANGE DETAIL

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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