

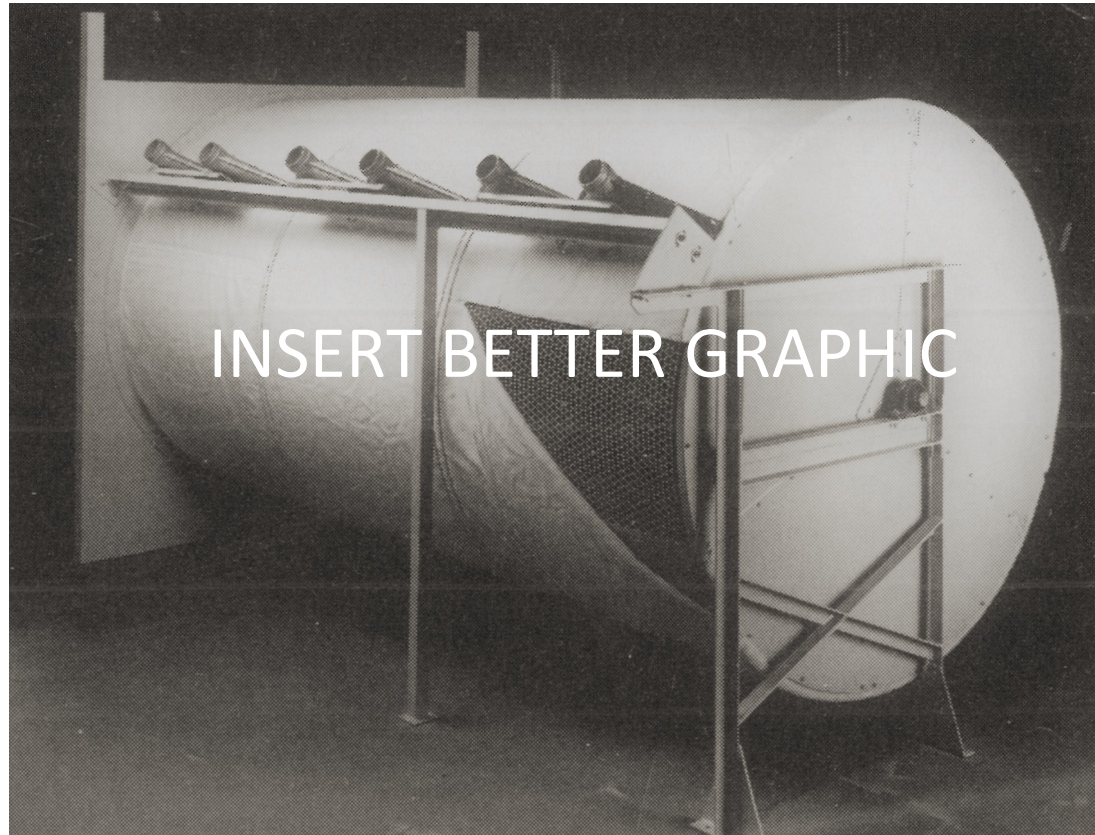
# DRUM FILTERS

A SELF-CLEANING  
AUTOMATIC AIR FILTER  
DESIGNED FOR INDUSTRIAL  
CLEANING APPLICATIONS

Industrial Air S-Series drum filters are constructed of heavy-gauge steel perforated panels. The panels form a rigid horizontal cylinder. This arrangement eliminates the need for a continuous center support shaft.

Vacuum nozzles are located on the outside of the cylinder, allowing for convenient inspection. Each nozzle connection requires 375 CFM. The rotating cylinder is effectively sealed to the bulkhead by a heavy felt

seal. The S-Series drum filter uses a 1/2-horsepower gear motor with a spring-tension friction drive wheel. The tension can be adjusted by hand without the need for tools to provide the needed drive force.



Model No.	Nominal Capacity cfm ( m3/h )			Diameter in. ( cm )	Total Length in. ( cm )	Bulkhead Width in. ( cm )	Filter Area ft <sup>2</sup> ( m <sup>2</sup> )
	100 fpm ( 0.51 m/s)	150 fpm ( 0.76 m/s)	200 fpm ( 1.02 m/s)				
S 72 - 1	7,200 ( 12,233)	10,800 ( 18,349)	14,400 ( 24,466)	72 ( 183 )	61 ( 155 )	84 ( 213 )	72 ( 6.7 )
S 72 - 2	14,400 ( 24,466)	21,600 ( 36,699)	28,800 ( 48,932)	72 ( 183 )	109 ( 277 )	84 ( 213 )	144 ( 13.4 )
S 72 - 2.5	18,000 ( 30,582)	27,000 ( 45,873)	36,000 ( 61,164)	72 ( 183 )	133 ( 338 )	84 ( 213 )	180 ( 16.7 )
S 72 - 3	21,600 ( 36,699)	32,400 ( 55,048)	43,200 ( 73,397)	72 ( 183 )	157 ( 399 )	84 ( 213 )	216 ( 20.1 )
S 96 - 1	9,600 ( 16,311)	14,400 ( 24,466)	19,200 ( 32,621)	96 ( 244 )	61 ( 155 )	108 ( 274 )	96 ( 8.9 )
S 96 - 2	19,200 ( 32,621)	28,800 ( 48,932)	38,400 ( 65,242)	96 ( 244 )	109 ( 277 )	108 ( 274 )	192 ( 17.8 )
S 96 - 3	28,800 ( 48,932)	43,200 ( 73,397)	57,600 ( 97,863)	96 ( 244 )	157 ( 399 )	108 ( 274 )	288 ( 26.8 )
S 96 - 4	38,400 ( 65,242)	57,600 ( 97,863)	76,800 ( 130,484)	96 ( 244 )	205 ( 521 )	108 ( 274 )	384 ( 35.7 )
S 120 - 1	12,000 ( 20,388)	18,000 ( 30,582)	24,000 ( 40,776)	120 ( 305 )	61 ( 155 )	132 ( 335 )	120 ( 11.1 )
S 120 - 2	24,000 ( 40,776)	36,000 ( 61,164)	48,000 ( 81,553)	120 ( 305 )	109 ( 277 )	132 ( 335 )	240 ( 22.3 )
S 120 - 2.5	30,000 ( 50,970)	45,000 ( 76,455)	60,000 ( 101,941)	120 ( 305 )	133 ( 338 )	132 ( 335 )	300 ( 27.9 )
S 120 - 3	36,000 ( 61,164)	54,000 ( 91,747)	72,000 ( 122,329)	120 ( 305 )	157 ( 399 )	132 ( 335 )	360 ( 33.4 )
S 120 - 4	48,000 ( 81,553)	72,000 ( 122,329)	96,000 ( 163,105)	120 ( 305 )	205 ( 521 )	132 ( 335 )	480 ( 44.6 )
S 120 - 4.5	54,000 ( 91,747)	81,000 ( 137,620)	108,000 ( 183,493)	120 ( 305 )	229 ( 582 )	132 ( 335 )	540 ( 50.2 )
S 120 - 5	60,000 ( 101,941)	90,000 ( 152,911)	120,000 ( 203,881)	120 ( 305 )	253 ( 643 )	132 ( 335 )	600 ( 55.7 )

## INSTALLATION

Drum filters are shipped knocked down to allow for simple shipping, handling and erection. All drum filter components fit through a 21"W x 72"H access door.

## OPERATION

Drum filters may be operated continuously or intermittently by timers or pressure switches. The maximum recommended pressure differential is 3.0" wg