

## CI SURE SHIELD® MERV-11 Pleated Filters 1", 2" & 4"



*CI SURE SHIELD® MERV-11 Pleated Filters are engineered with superior performance criteria in all facets of filtration including efficiency, resistance, and dust-holding capacity to address today's challenging HVAC system requirements. As a part of the most advanced and innovative line of HVAC filtration products, the CI SURE SHIELD® MERV-11 Pleated Filter combines an excellent initial and lifecycle resistance with a high dust-holding capacity. This combination provides optimum filter performance – creating the energy and operating cost savings desired in the demanding HVAC market. The CI SURE SHIELD® MERV-11 Pleated Filter is backed by the outstanding customer service and on-time delivery that customers have come to expect from Columbus Industries.*

### Description and Benefits

CI **SURE SHIELD®** MERV-11 Pleated Filters provide functional, high efficiency performance at a very economical cost. The uniquely engineered filter media will provide you with the best performance in airflow resistance, efficiency and dust holding capacity.

The CI **SURE SHIELD®** MERV-11 Pleated Filter with its exceptional design, improves indoor air quality while removing contaminants from HVAC environments. This filter is designed to protect both expensive HVAC equipment while providing safety to workers from dirty air and its damaging effects. The CI **SURE SHIELD®** MERV-11 Pleated Filter is user-friendly due to the filter being lightweight and easy to install.

The CI **SURE SHIELD®** MERV-11 Pleated Filters' engineered media is bonded to expanded metal backing. The media is then formed into a geometrically designed pleat element and sealed in a heavy-duty, moisture resistant kraft board frame. Each stage of the assembly process is quality controlled to ensure the performance, consistency, and durability of each filter. The end result is the best all-around performance in airflow, efficiency, and dust-loading uniformity.

Looking for LEED certification? The CI **SURE SHIELD®** MERV-11 Pleated Filter can be used to meet new construction phase requirements for the Green Building Council's LEED certification program.

### Quick Facts

#### Features:

- Provides lower initial resistance
- Provides lower energy consumption
- Provides lower operating cost
- Satisfies new construction phase requirements for LEED's program
- Protects equipment and extends lifecycle of secondary filters

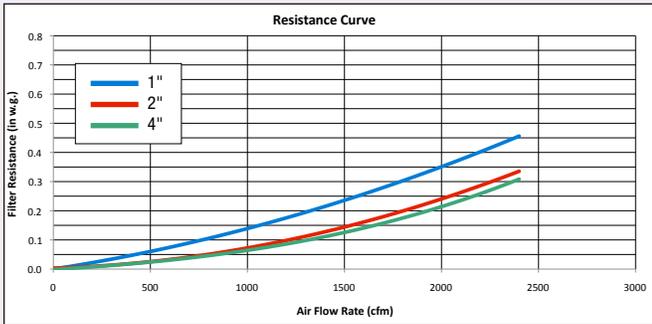
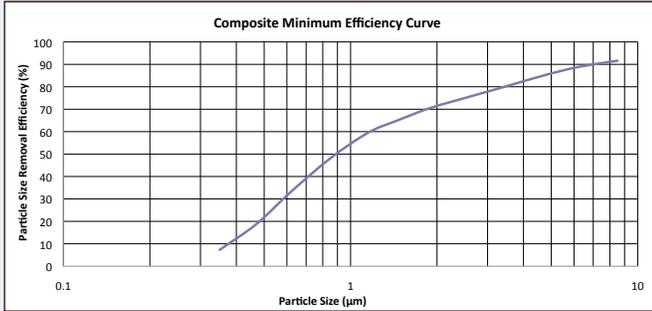
#### Applications:

- Commercial and industrial facilities
- Pharmaceutical
- Government and educational facilities
- Hospitals
- Paint booth/finishing

#### Technical Information:

- Available in 1", 2" and 4" depths in a variety of standard and custom sizes
- High Capacity configuration
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- UL Standard 900 tested and approved
- 100% synthetic media
- Temperature rated up to 175°F
- .028 kraft board frame with added moisture resistance

# CI SURE SHIELD® MERV-11 Pleated Filters 1", 2" & 4"



MERV 11	Rated Air Flow Capacity (CFM)	Initial Air Flow Resistance (in w.g.)	Pleats Per Linear Foot
Depth		Hi Cap	High Cap
1"	2000	0.35	16
2"	2000	0.22	15
4"	2000	0.20	11

Nominal Size	Exact Size	Rated Air Flow Capacity (CFM)	Initial Air Flow Resistance (in w.g.)	Media Area (SF)
			High Cap	High Cap
12 X 24 X 1	11-1/2 X 23-1/2 X 3/4	1000	0.35	3.8
16 X 20 X 1	15-1/5 X 19-1/2 X 3/4	1112	0.35	4.3
16 X 25 X 1	15-1/2 X 24-1/2 X 3/4	1389	0.35	5.4
20 X 20 X 1	19-1/2 X 19-1/2 X 3/4	1389	0.35	5.2
20 X 24 X 1	19-1/2 X 23-1/2 X 3/4	1667	0.35	6.3
20 X 25 X 1	19-1/2 X 24-1/2 X 3/4	1737	0.35	6.5
20 X 30 X 1	19-3/4 X 29-3/4 X 3/4	2084	0.35	5.2
24 X 24 X 1	23-1/2 X 23-1/2 X 3/4	2000	0.35	7.6
25 X 25 X 1	24-1/2 X 24-1/2 X 3/4	2171	0.35	8.2

12 X 24 X 2	11-3/8 X 23-3/8 X 1-3/4	1000	0.22	8.8
16 X 20 X 2	15-1/2 X 19-1/2 X 1-3/4	1112	0.22	9.8
16 X 25 X 2	15-1/2 X 24-1/2 X 1-3/4	1389	0.22	12.2
20 X 20 X 2	19-1/2 X 19-1/2 X 1-3/4	1389	0.22	12.2
20 X 24 X 2	19-3/8 X 23-3/8 X 1-3/4	1667	0.22	14.6
20 X 25 X 2	19-1/2 X 24-1/2 X 1-3/4	1737	0.22	15.3
24 X 24 X 2	23-3/8 X 23-3/8 X 1-3/4	2000	0.22	17.5
25 X 25 X 2	24-1/2 X 24-1/2 X 1-3/4	2171	0.22	18.9

12 X 24 X 4	11-1/2 X 23-1/2 X 3-3/4	1000	0.20	13.8
16 X 20 X 4	15-1/2 X 19-1/2 X 3-3/4	1112	0.20	15.7
16 X 25 X 4	15-1/2 X 24-1/2 X 3-3/4	1389	0.20	19.6
20 X 20 X 4	19-1/2 X 19-1/2 X 3-3/4	1389	0.20	18.9
20 X 24 X 4	19-1/2 X 23-1/2 X 3-3/4	1667	0.20	22.6
20 X 25 X 4	19-1/2 X 24-1/2 X 3-3/4	1737	0.20	23.6
24 X 24 X 4	23-1/2 X 23-1/2 X 3-3/4	2000	0.20	27.6

Performance Engineered Air Filter Products  
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