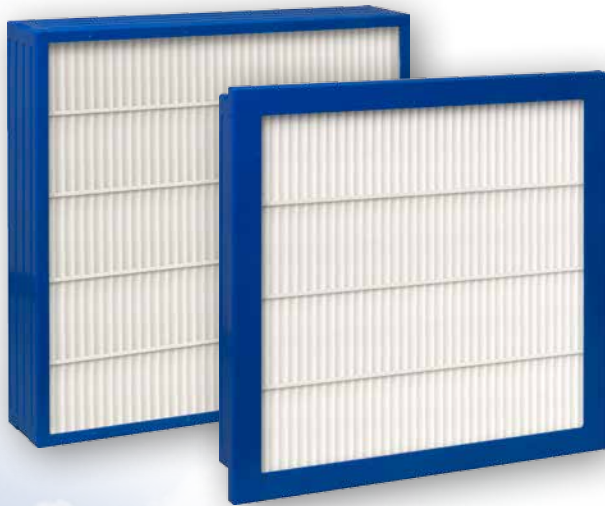




CI 4" MICRO SHIELD® Mini-Pleated Filters MERV 12, 14/14A & 15



Best in Class!

CI 4" MICRO SHIELD® Mini-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 4" MICRO SHIELD® MP 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 4" MICRO SHIELD® MP Filter is backed by the outstanding customer service and on-time delivery that customers have come to expect from Columbus Industries.

The CI 4" MICRO SHIELD® Mini-Pleated Filter replaces a wide range of Rigid Box, 2V and other 4" Mini-Pleat products.

Description and Benefits

CI 4" MICRO SHIELD® MP Filters are an economical choice for extended surface, high-efficiency air filtration requirements. Each filter utilizes a technologically advanced media that incorporates a dual-layer, gradient-density fiber structure that results in exceptionally low airflow resistance, at the highest efficiency levels – reducing both energy and operating costs.

These high-performance filters will improve indoor air quality and remove contaminants from HVAC environments. The CI 4" MICRO SHIELD® MP Filter is engineered to protect both expensive HVAC equipment and people from dirty air and its damaging effects. The user-friendly filter is also fully incinerable, lightweight, durable and easy to install.

The self-supported 4" MICRO SHIELD® MP Filter utilizes a geometrically formed pleat pack. Each pleat pack is further strengthened with rigid, mechanical pleat separators. The pack is then sealed into an all-plastic frame. Each stage of the assembly process is quality controlled to ensure the filter's performance, consistency and durability. These design and construction features combine to produce the best all-around performance in airflow, efficiency and dust-loading uniformity.

Looking for LEED certification? The CI 4" MICRO SHIELD® MP Filters are the perfect solution if you want to specify or upgrade your current filtration to meet LEED certification requirements. With these high-performance filters, your facility can gain points toward LEED certification — without incurring large operating cost increases. The CI 4" MICRO SHIELD® Mini-Pleated Filter meets efficiency standards outlined in the LEED program for new construction and existing buildings.

Quick Facts

Features:

- Provides lower initial resistance
- Provides lower energy consumption and operating cost
- Meets requirements for LEED certification
- Provides an economical and high efficiency upgrade for most applications
- Easy installation

Applications:

- Commercial and industrial facilities
- Government and educational facilities
- Paint booth/finishing
- Hospitals, research labs and pharmaceuticals
- Airports
- Electrical manufacturing
- Power generators

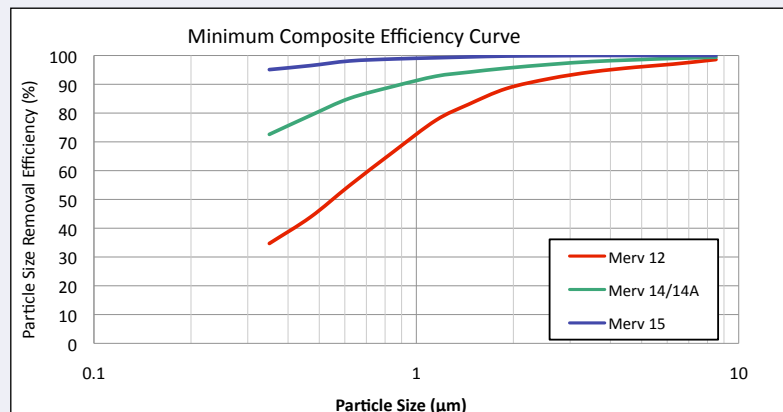
Technical Information:

- Available in variety of standard sizes
- Available in MERV 12, 14/14A and 15
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- MERV 14/14A model tested in accordance with ASHRAE Test Standard 52.2-2007 Appendix J conditioning step
- UL Standard 900 tested and approved
- Temperature rated up to 160°F
- Fully incinerable
- Available with or without gasket
- Header and non-header versions available in a variety of sizes

CI 4" MICRO SHIELD® Mini-Pleated Filters

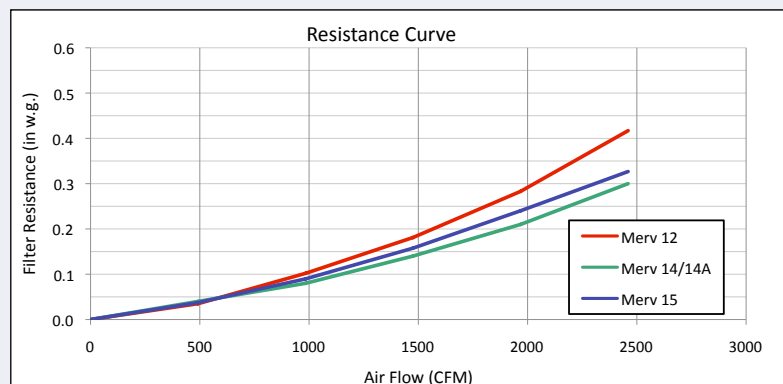
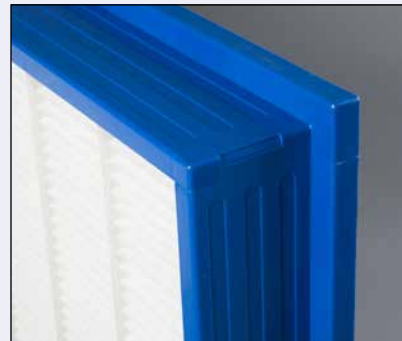
	Filter Size Nominal	Filter Size Exact	Rated Air Flow Capacity (CFM)			Initial Air Flow Resistance (in w.g.)			Media Area	
			Low	Med	High	Low	Med	High	Std	Hdr
MERV 12	12 X 24 X 4	11-3/8 X 23-3/8 X 3-3/4	600	1000	1250	0.14	0.28	0.43	33	30
	20 X 20 X 4	19-3/8 X 19-3/8 X 3-3/4	830	1390	1740	0.14	0.28	0.43	47	44
	20 X 24 X 4	19-3/8 X 23-3/8 X 3-3/4	1000	1670	2080	0.14	0.28	0.43	57	52
	24 X 24 X 4	23-3/8 X 23-3/8 X 3-3/4	1200	2000	2500	0.14	0.28	0.43	69	65
MERV 14/14A	12 X 24 X 4	11-3/8 X 23-3/8 X 3-3/4	600	1000	1250	0.11	0.21	0.30	33	30
	20 X 20 X 4	19-3/8 X 19-3/8 X 3-3/4	830	1390	1740	0.11	0.21	0.30	47	44
	20 X 24 X 4	19-9/3 X 23-3/8 X 3-3/4	1000	1670	2080	0.11	0.21	0.30	57	52
	24 X 24 X 4	23-3/8 X 23-3/8 X 3-3/4	1200	2000	2500	0.11	0.21	0.30	69	65
MERV 15	12 X 24 X 4	11-3/8 X 23-3/8 X 3-3/4	600	1000	1250	0.12	0.24	0.33	33	30
	20 X 20 X 4	19-3/8 X 19-3/8 X 3-3/4	830	1390	1740	0.12	0.24	0.33	47	44
	20 X 24 X 4	19-9/3 X 23-3/8 X 3-3/4	1000	1670	2080	0.12	0.24	0.33	57	52
	24 X 24 X 4	23-3/8 X 23-3/8 X 3-3/4	1200	2000	2500	0.12	0.24	0.33	69	65

*Also available in 16 X 20, 16 X 25, and 20 X 25 sizes



Newly designed stronger frames are available with or without gaskets.

Header version



Non-header version



Performance Engineered Air Filter Products
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