



MICRO SHIELD®

MERV 15 4" Mini-Pleated Filters



CI **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 CI's advanced and innovative line of HVAC filtration products, **MICRO SHIELD®** filters combine 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.



.24"
w.g.
Initial Pressure Drop

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 15
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- 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

Performance Engineered Air Filter Products



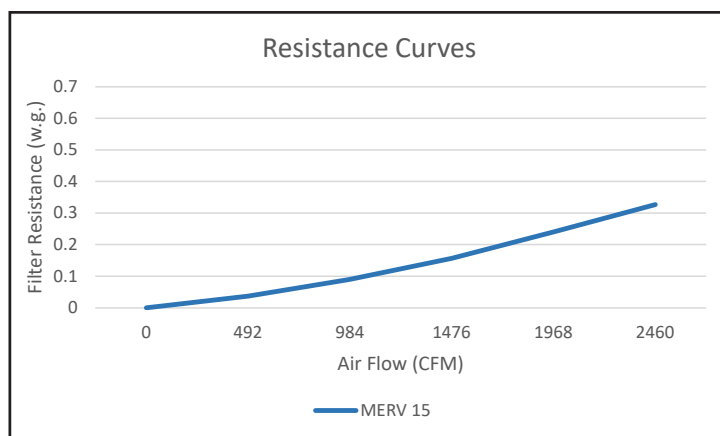
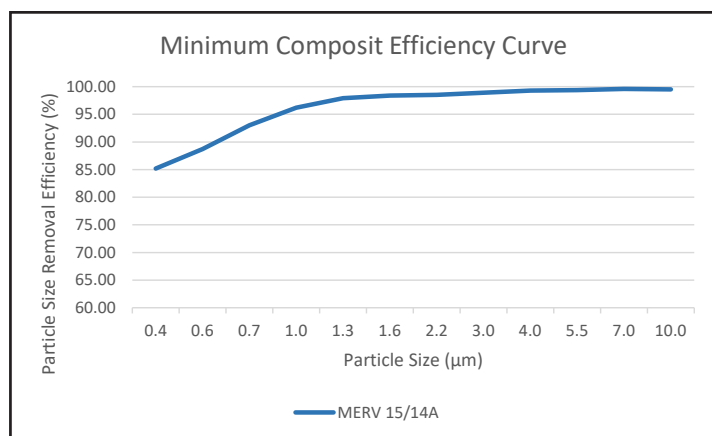
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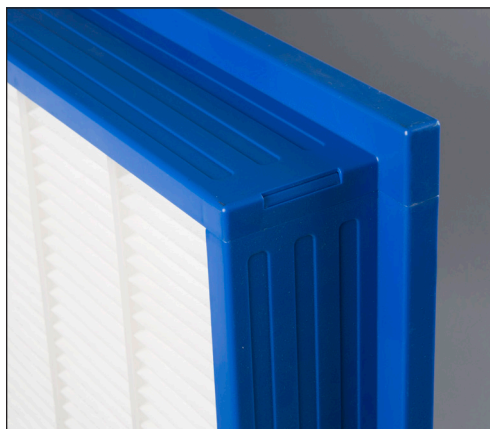
MICRO SHIELD® 4" Plastic Frame Mini-Pleated Filters

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	19-3/8 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

*Additional Sizes Available. Contact CI for Information.



Header version



Non-header version



Newly-designed stronger frames are available with or without gaskets.

