

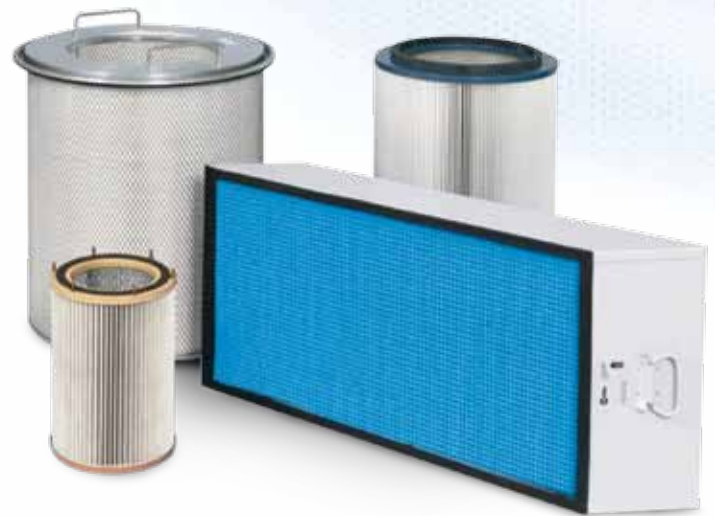


FILTAIR[®]

Miller FilTek™ XL Surface-Loading Filters

Out-filter, Outperform and Outlast All the Rest.

When it comes to selecting a fume extractor, nothing is more important than the filter. That's why we developed our line of FilTek™ XL filters. Designed specifically to capture weld fume particles, FilTek XL filters out-filter, outperform and outlast all the rest.



Industry-Leading Filter Performance

The filter is the heart of the fume extraction system. Our filters are designed to capture submicron particles found in welding, including hexavalent chrome. Up to 95% of weld fumes are submicron in size - reinforcing the importance of using a Miller® FILTAIR weld fume extractor to capture particles that others miss.

- **OUT-FILTER** - FilTek XL filters have the highest MERV ratings in the industry to capture the highest percentage of weld fume particles - up to 95%.
- **OUTPERFORM** - FilTek XL technology is ultra-efficient, which results in lower operating costs and longer lasting, stronger suction power for a cleaner work space.
- **OUTLAST** - FilTek XL filters surface-load, so they are easy to clean, resulting in filters that last up to two times as long as treated cellulose filters.



Discover the benefits of FILTAIR technology - fume extraction designed specifically for the welding environment. See the FilTek XL difference at MillerWelds.com/FILTAIR

Cleaner Air with FilTek™ Filters

The FilTek XL Filter's Higher MERV Rating Means Unrivaled Filtering Performance.

Filters are rated on a MERV scale, which measures filter efficiency based on particle count. MERV ratings range from 1-16, with 16 being the best at filtering small particles - such as those found in weld fumes. The vast majority of weld fumes are less than one micron in diameter, or roughly 1/100th the width of a human hair.

Filters in common air filtration systems often have MERV ratings between 7-11. FilTek XL filters are rated at class-leading MERV 15-16 to capture up to 95% of weld fume particulates.

MERV Comparison

Applicable Weld Fume MERV Rating Categories ¹	Particle Size Range Efficiency % ²		
	0.3 to 1 µm	1 to 3 µm	3 to 10 µm
10	Not Rated	50 – 65%	85%
11	Not Rated	65 – 80%	85%
12	Not Rated	80 – 90%	85%
13	<75%	90%	90%
15 Miller® FilTek XL	85 – 95%	90%	90%
16 Miller® FilTek XL	≥95%	≥95%	≥95%
HEPA ⁴	≥99.97%	≥99.97%	≥99.97%
Percentage of Weld Fume Particle Size ³	75 – 95%	≤15%	≤10%

¹ American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) Standard 52.2

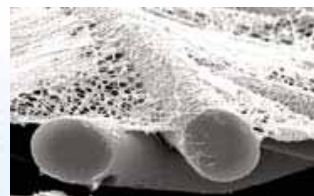
² National Air Filtration Association (NAFA) Guide

³ Jenkins, Pierce, Edgar, Particle Size Distribution of GMAW and FCAW

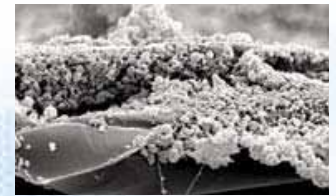
⁴ HEPA filters are depth loading and have high restrictions to air flow reducing system performance versus FilTek XL filters.

Extended Filter Life. Higher Efficiency. Stronger Suction.

FilTek XL high air volume filters are made up of a durable substrate with an engineered fiber designed to capture the smallest weld fume particles, while maintaining the highest level of efficiency. The advanced FilTek XL filter media design improves weld fume capture, resulting in a cleaner work space.



Clean Filtek XL media



Surface loaded Filtek XL media (substrate still clean)

Learn More.



Visit MillerWelds.com/FILTAIR to see video of FilTek XL advantages.

For more FilTek XL filter details on a portable, mobile, stationary or custom-engineered fume extraction solution, call toll-free 855-FILTAIR (855-345-8247).

MillerWelds.com

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