

OSM-100™

Paint Booth Overspray Collection System

For Existing Systems



Clean Air Solutions for a Perfect Finish

NESHAP Compliant Tested Under EPA Method 319

- Removes liquid and solid overspray in existing paint booths in excess of NESHAP (EPA) Standard
- Keeps motors, fans, duct work clean
- Prevents discharging contaminants to the atmosphere
- Upgrade existing overspray collection systems with no structural modifications

The OSM-100 system - The original NESHAP compliant two-stage paint booth filtration system tested under EPA Method 319.



The OSM-100 system consists of Ultra prefilter media pads or blankets followed by an OSM-100, four ply, self-supported multi-pocket filter.

Two Stage OSM-100 Filtration System

First Stage - The Ultra™ prefilter (installed in pad or pre-cut blanket form) is a two ply media with a more open fiber structure on the air entering side and a finer fiber structure on the air leaving side to enhance depth loading of paint overspray and prevent face loading. Depth loading substantially increases paint holding capacity.

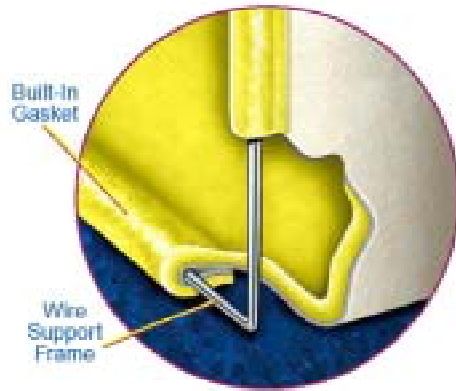
Second Stage - The final filter is a four ply self-supported OSM-100 pocket filter consisting of a two layer media with graduated density fiber construction on the air entering side and a needled fiber media on the air leaving side with a latex foam backing for excellent particle retention on smaller particles. The OSM-100 bag exceeds the NESHAP requirements for efficiency even without the prefilter.

For New Source applications, refer to the ATI A-3000 System.

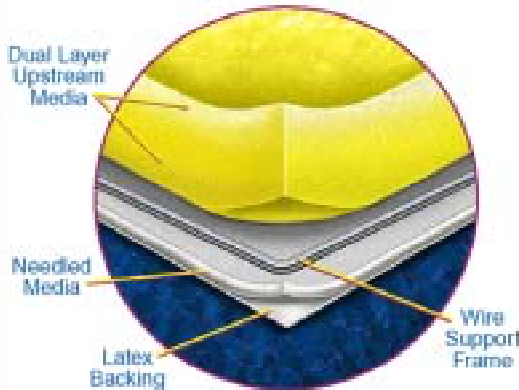
Test Method 319 Results

Particle Size (Microns)	NESHAP Efficiency Requirements for Existing Systems	OSM-100 Efficiency
SOLIDS		
>2.6	>10%	39%
>5.0	>50%	76%
>8.1	>90%	94%
LIQUIDS		
>2.2	>10%	41%
>4.1	>50%	87%
>5.7	>90%	96%

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Self-Sealing - No Bypass
The media is sewn around an internal wire support frame that forms a built in gasket. The filters are automatically sealed when installed to prevent leakage.

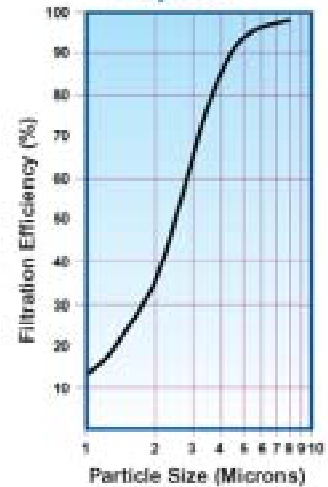


OSM-100 Pocket Filters Feature 4-Ply Media Construction
OSM-100 filters are made with two dual layer medias. The upstream layer has a graduated density fiber construction for enhanced depth loading. The downstream layer is a denser, needled media with a latex backing forming a final barrier to catch paint overspray.

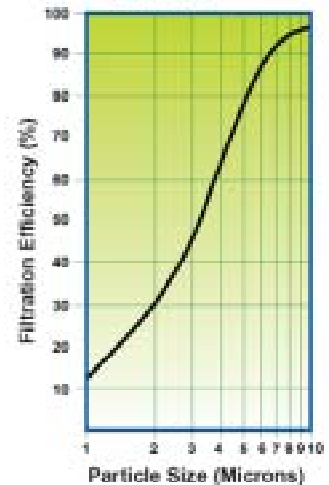
Self-Supported Pocket Construction
The high loft polyester media holds its extended shape at all times, even with no air flow. No sagging or drooping.

Fast, Easy Installation - Endorsed by Maintenance Personnel Worldwide
Save on labor due to reduced changeout time. Simply push the filter into the frame. No clips or latches required.

Efficiency by Particle Size
Liquids



Efficiency by Particle Size
Solids



Standard Size OSM-100 Bag Information

Nominal Size (Inches)	No. of Pockets	Air Flow Capacity (CFM) @ 120 FPM	Initial Resistance (In. W.G.)		Recommended Final Resistance (In. W.G.)
			OSM-100 Bag Filter Only	Two Stage Filtration System	
12 x 24 x 15	1	240	.13"	.17"	1.0"
20 x 20 x 15	2	333	.13"	.17"	1.0"
25 x 25 x 15	2	401	.13"	.17"	1.0"
24 x 24 x 15	2	480	.13"	.17"	1.0"
20 x 25 x 20	2	417	.11"	.15"	1.0"
24 x 24 x 20	2	480	.11"	.15"	1.0"



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