

# OSM-100™ Paint Booth Overspray Collection System For Existing Systems

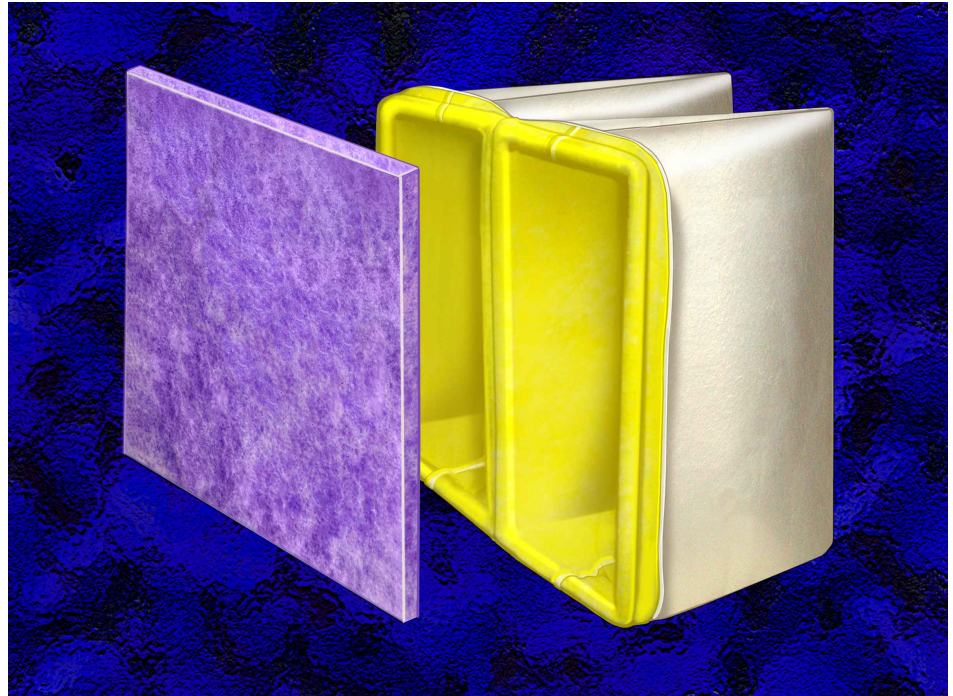


Clean Air Solutions for a Perfect Finish

## 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.

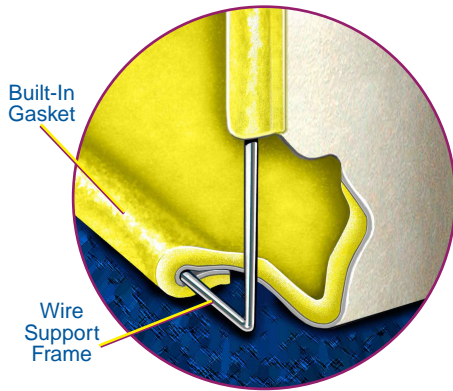
**Second Stage** - The final filter is a four ply self-supported OSM-100 pocket filter consisting of a two layer media with graduated density fiber construction on the air entering side and a needled fiber media on the air leaving side with a latex foam backing for excellent particle retention on smaller 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.*

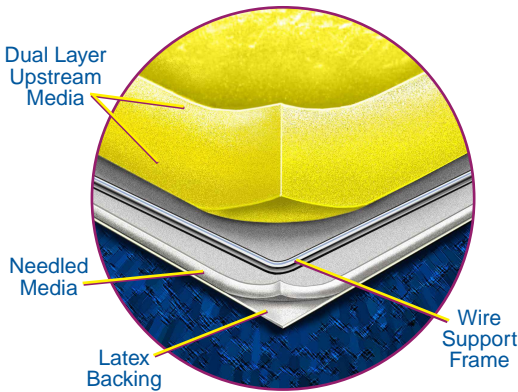
## Test Method 319 Results

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

# OSM-100™ Paint Booth Overspray Collection System for Existing Systems



**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.

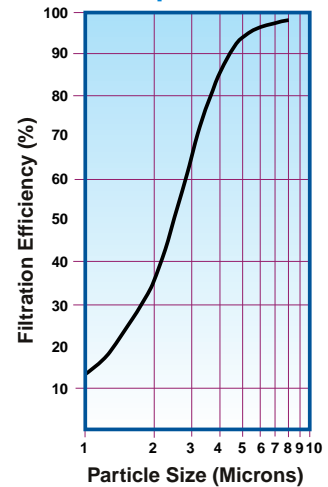


**OSM-100 Pocket Filters Feature 4-Ply Media Construction**  
OSM-100 filters are made with two dual layer medias. The upstream layer has a graduated density fiber construction for enhanced depth loading. The downstream layer is a denser, needed media with a latex backing forming a final barrier to catch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

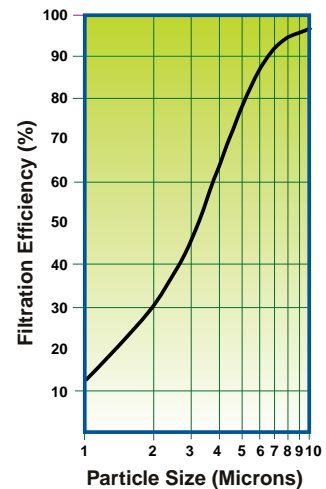
**Self-Supported Pocket Construction**  
The high loft polyester media holds its extended shape at all times, even with no air flow. No sagging or drooping.

**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"



**Air Technologies, Inc.**  
1612 North Davis Avenue, Ottawa, Kansas 66067

E-Mail: [ati@ati-filters.com](mailto:ati@ati-filters.com)  
Web Site: [www.ati-filters.com](http://www.ati-filters.com)  
Toll Free: 1-800-624-8739  
Fax: 785-242-8700