

# A-3000™

## Paint Booth Overspray Collection System For New Systems

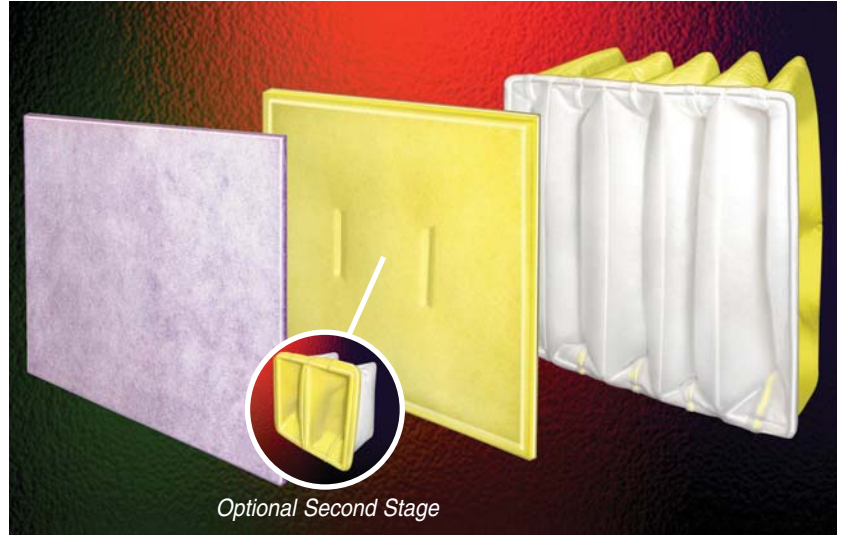


Clean Air Solutions for a Perfect Finish

### NESHAP Compliant Tested Under EPA Method 319

- Removes liquid and solid overspray in new paint booths in excess of NESHAP (EPA) Standard
- Keeps motors, fans, duct work clean
- Prevents discharging contaminants to the atmosphere
- Three stage A-3000 system can be installed in a single holding frame

*The A-3000 system – The original NESHAP compliant three-stage paint booth filtration system tested under EPA Method 319.*



Optional Second Stage

*The A-3000 system, consists of Ultra prefilter media pads or blankets followed by an OSM-100 ring panel or multi-pocket bag filter. The final stage is the A-3000 high efficiency multi-pocket bag filter.*

### Three Stage A-3000 Filtration System

**First Stage** - The Ultra™ prefilter is a two ply media designed to maximize depth loading and prevent faceloading for longer life. The more open fiber structure on the air entering side substantially increases paint holding capacity.

**Second Stage** - The second stage is a four ply, OSM-100 self-sealing ring panel designed for excellent retention of smaller paint particles. An optional second stage is an OSM-100 multi-pocket bag. Both the panel and bag are made with a dual layer media on the air entering side followed by a needled fiber media with a latex foam backing on the downstream side.

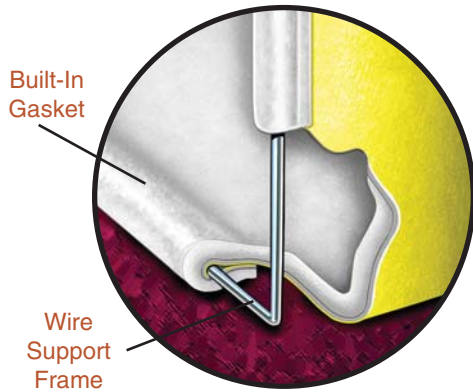
**Third Stage** - The final stage is a three ply, self-supported A-3000 bag filter consisting of a high loft polyester layer for high paint holding capacity followed by a dual layer high efficiency media to capture the smallest paint particles. The A-3000 bag filter exceeds the NESHAP efficiency requirements for new booths even without the first two stages of the system.

*For Existing Source applications, refer to the ATI OSM-100 System.*

### Test Method 319 Results

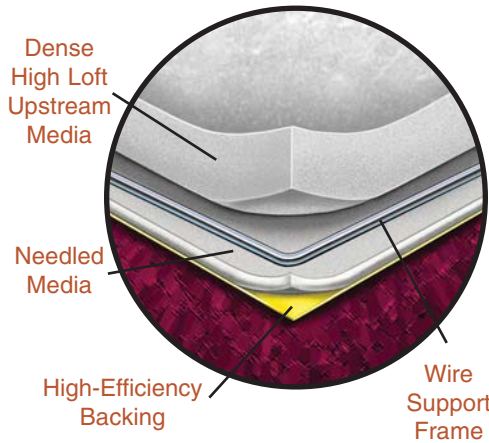
Particle Size (Microns)	NESHAP Efficiency Requirements for New Systems	A-3000 System Efficiency
<b>SOLIDS</b>		
>0.70	>75%	88%
>1.10	>85%	92%
>2.50	>95%	98%
<b>LIQUIDS</b>		
>0.42	>65%	75%
>1.00	>80%	87%
>2.00	>95%	99%

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## Self-Sealing - No Bypass

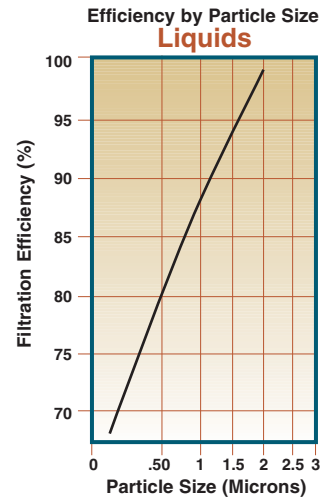
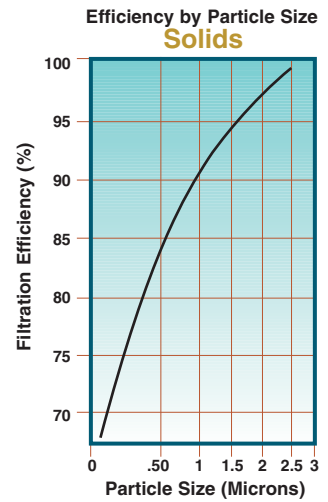
The media is sewn around an internal wire support frame that forms a built in gasket. The filters are automatically sealed when installed to prevent leakage.



## A-3000 Pocket Filters Feature 3-Ply Media Construction

A-3000 filters are made with two distinct media layers. The upstream layer is a high loft polyester layer with high paint holding capacity. The downstream layer is a dual layer high efficiency media designed to capture the smallest particles

**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.



## Standard Size A-3000 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.)
			A-3000 Bag Filter Only	Three Stage Filtration System	
12 x 24 x 12	2	240	.25"	.45"	1.45"
20 x 20 x 12	5	333	.25"	.45"	1.45"
20 x 25 x 12	5	417	.25"	.45"	1.45"
24 x 24 x 12	5	480	.25"	.45"	1.45"
12 x 24 x 20	2	240	.20"	.40"	1.40"
20 x 20 x 20	5	333	.20"	.40"	1.40"
20 x 25 x 20	5	417	.20"	.40"	1.40"
24 x 24 x 20	5	480	.20"	.40"	1.40"



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