

# Air Filtration Systems (Non-Catalyst)

*Here's Why Our Breathing Air Panels are the Best Available*

For applications where CO removal is not desired, MST offers a complete line of Breathing Air Panels and airline monitor packages.

Like our CO removal equipment, our non-CO panels have significant advantages over competitive filtration systems. With a charcoal volume twice to eight times greater than other major suppliers, MST's Breathing Air Panels provide superior removal capability for hydrocarbon tastes and odors.

Our unique air distribution baffle design maximizes charcoal absorption efficiency by providing even air distribution throughout the cartridges.

Removes water,  
particulates,  
hydrocarbons,  
oil smell and taste

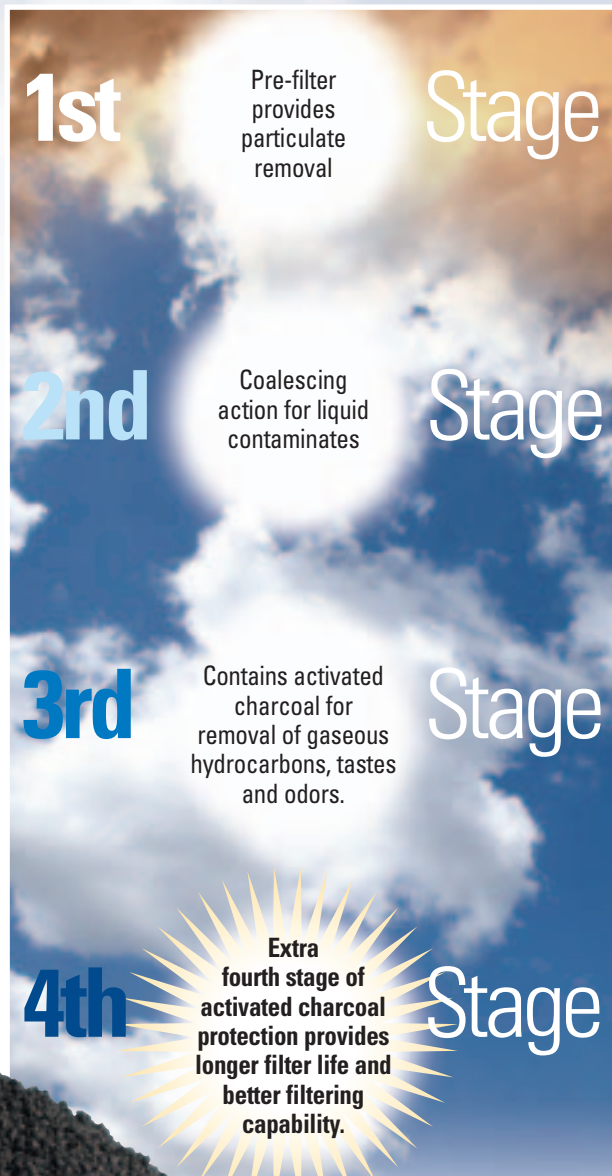
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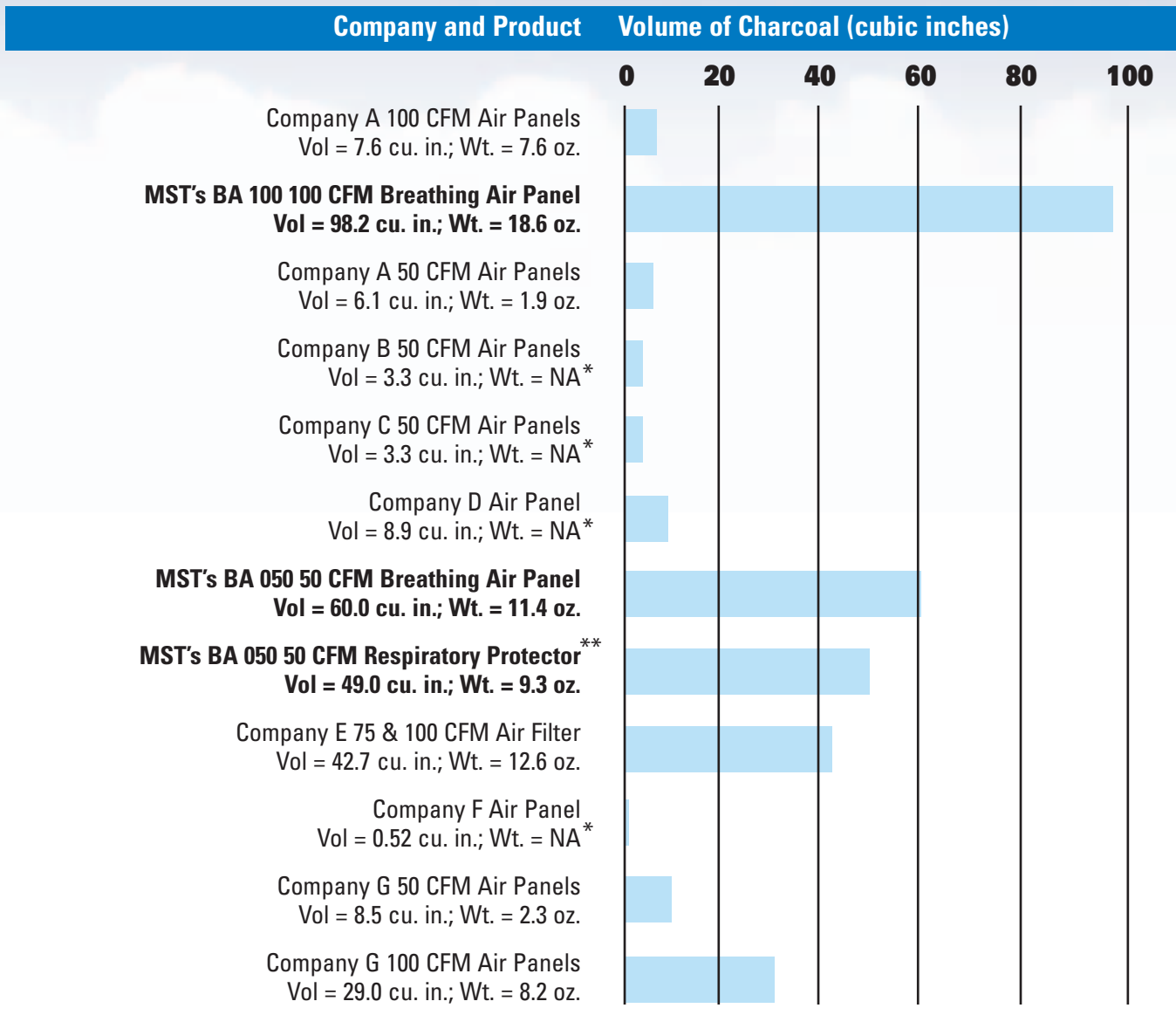
*"Save your breath with*

**NST**<sup>®</sup>  
MODERN SAFETY TECHNIQUES



# Charcoal Comparison Chart

The following chart is an indication of the hydrocarbon (tastes and odors) removal capability of various breathing filtration and purification systems.



### Various Manufacturer's Systems

Note: \*Impregnated Charcoal Paper – Weight Not Available  
 \*\* MST's Respiratory Protector Removes Carbon Monoxide (CO)  
 Please call MST for specific test results.



**Leading Competitors**

# Wall Mount Breathing Air Systems (Non-CO removal)

Model BA100BA-S1



- 1** Inlet valve
- 2** Coalescent and particulate removal
- 3** Activated carbon
- 4** Extra activated carbon
- 5** Flow meter
- 6** CO monitor
- 7** Pressure regulator with indicating gauge



APPROVED LR 104195  
(Note: 5700 monitor approved for Class 1, Div. 1, Groups A, B, C & D Hazardous Locations when utilizing only 9 volt batteries.)



Model  
BA600AAS1

For larger capacity requirements, our wall-mount systems provide extra activated charcoal to remove particulate and coalesce liquids.

Breathing air wall-mount systems are available with four types of electrochemical carbon monoxide monitors. Our Model 2002 has a LED display for CO and comes in a heavy duty enclosure. The Model 5701 monitors both CO and oxygen. The 5700 has an LCD display for CO in ppm. The Model 5800 has green and red LED indicator lights for CO.

Specifications	Model BA020	Model BA50	Model BA100	Model BA200	Model BA600
<b>Rated Air Flow (Max.) @ 100 PSI</b>	20 SCFM (6.9 L/s)	50 SCFM (23.6 L/s)	100 SCFM (47.2 L/s)	200 SCFM (94.4 L/s)	600 SCFM (283.2 L/s)
<b>Operating Pressure</b>	100 PSIG Dynamic (6.9 bar)	100 PSIG Dynamic (6.9 bar)	100 PSIG Dynamic (6.9 bar)	100 PSIG Dynamic (6.9 bar)	100 PSIG Dynamic (6.9 bar)
<b>Inlet Pressure (Max.)</b>	150 PSIG Static (10.4 bar)	150 PSIG Static (10.4 bar)	150 PSIG Static (10.4 bar)	150 PSIG Static (10.4 bar)	150 PSIG Static (10.4 bar)
<b>Outlet Pressure Range</b>	0-125 PSIG (0-8.6 bar)	0-125 PSIG (0-8.6 bar)	0-125 PSIG (0-8.6 bar)	0-125 PSIG (0-8.6 bar)	0-125 PSIG (0-8.6 bar)
<b>Operating Temp. Range</b>	68-150°F (20-65°C)	68-150°F (20-65°C)	68-150°F (20-65°C)	35-150°F (2-65°C)	35-150°F (2-65°C)
<b>Outside Dimensions</b>	16"L x 16"W x 5"D (406mm x 406mm x 127mm)	24"L x 18"W x 5.5"D (610mm x 457mm x 140mm)	24"L x 24"W x 5.5"D (610mm x 610mm x 140mm)	36"L x 36"W x 17"D (915mm x 915mm x 432mm)	36"L x 36"W x 17"D (915mm x 915mm x 432mm)
<b>Weight (Including Monitor)</b>	10 lbs. (5 kg.)	18 lbs. (8.2 kg.)	25 lbs. (11.3 kg.)	72 lbs. (32.7 kg.)	87 lbs. (39.5 kg.)
<b>Replacement Filter Set</b>	FB020	FB050	FB100	FB200	FB600

MST makes a number of additional panels not shown. Call us for full details.