

# Air Filtration Systems (Non-Catalyst)

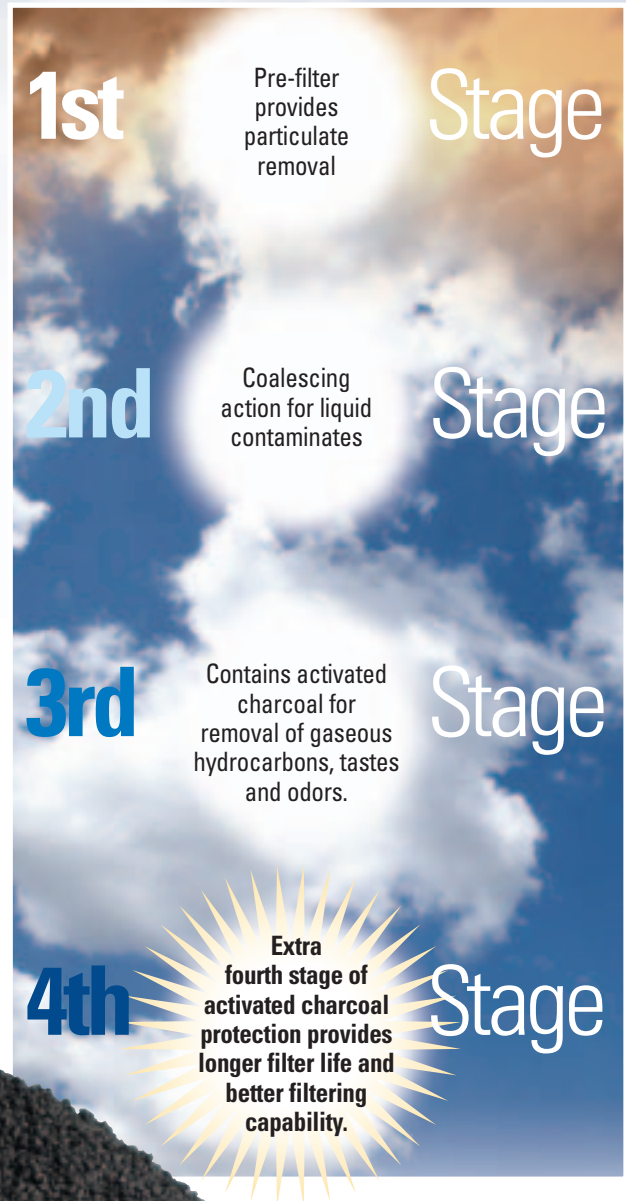
*Here's Why Our Breathing Air Panels are the Best Available*

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



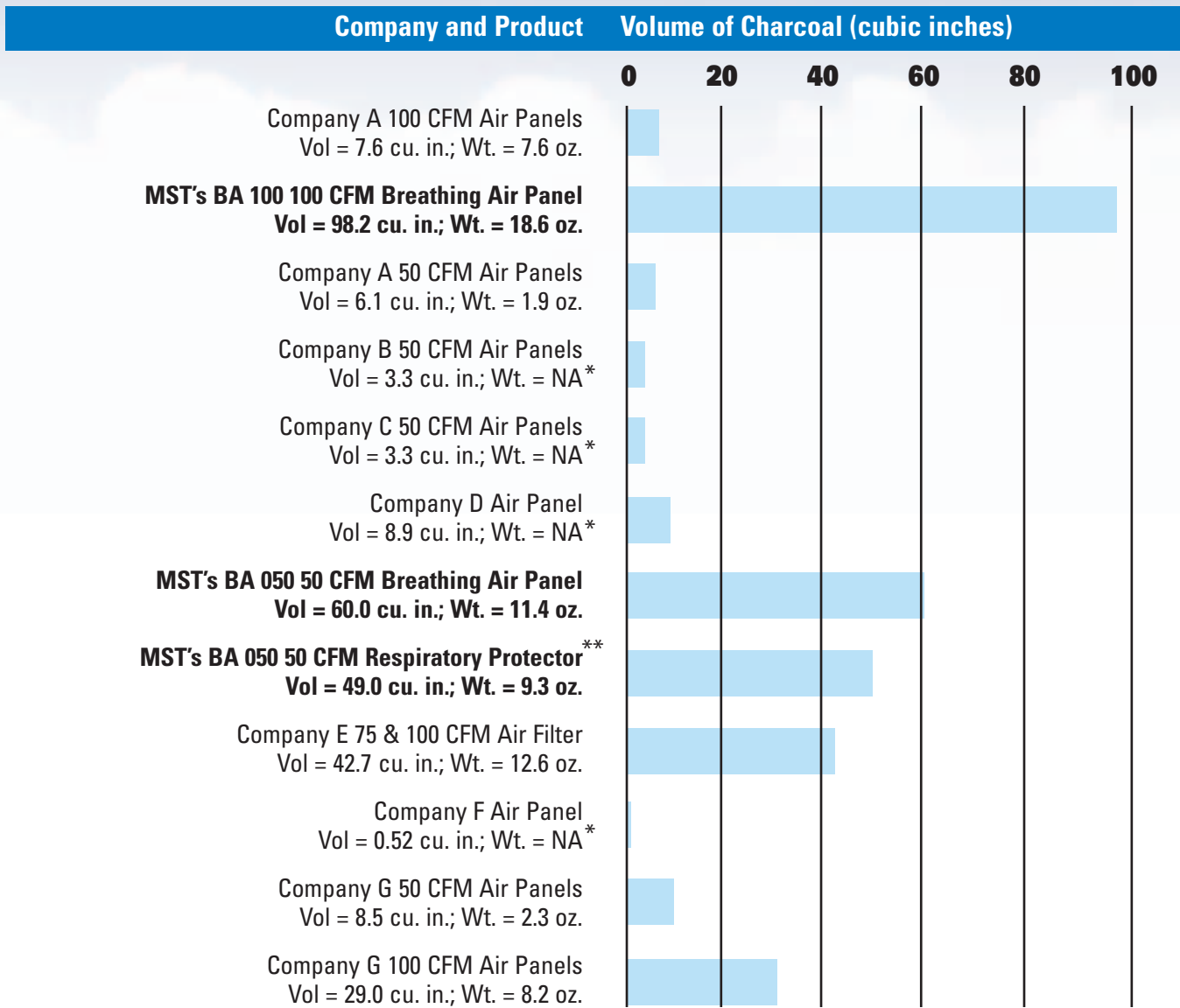
*"Save your breath with*

**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**

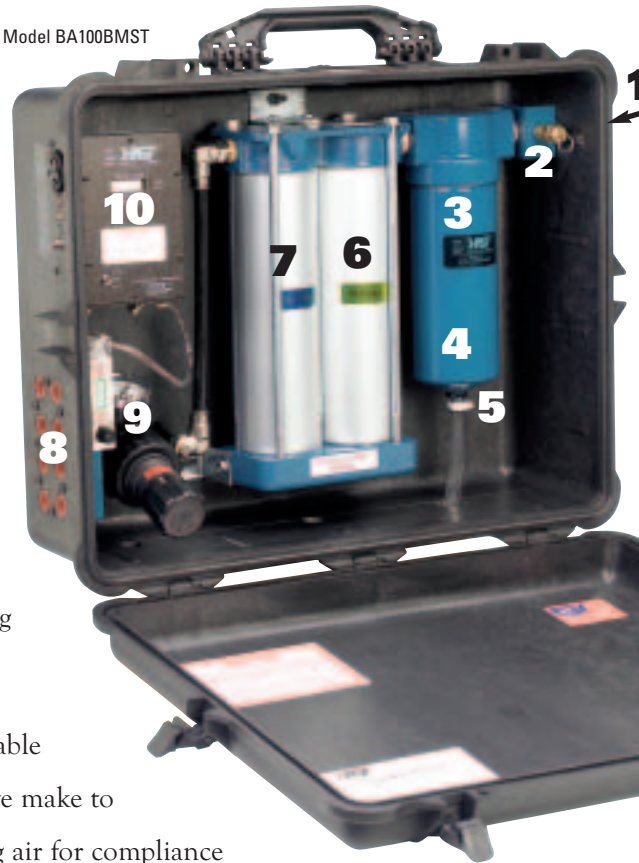
# Portable Breathing Air Systems (Non-CO removal)

MST's four-stage filtration system is standard on every portable model and provides extra protection for longer filter life and better filtering capabilities than most other comparable filtering systems.

Pre-filter dual stage element removes particulate down to 0.3 microns and coalesces liquid down to 0.75 microns, at an efficiency rating of 99.97% (D.O.P.)

A carbon monoxide monitor is available on every breathing air filter system we make to continuously monitor your breathing air for compliance with applicable standards. Monitors offer digital display, with both audio and visual alarms. All monitors utilize an electrochemical sensor to measure CO levels. The MST Breathing Air Panel Series can be supplied with or without carbon monoxide monitors, depending on end user's specific situation. This option is available on request.

Model BA100BMST



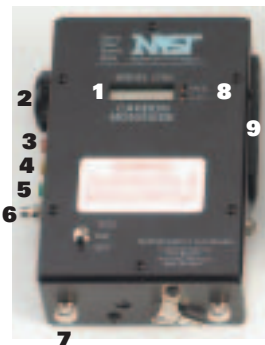
- 1 Inlet connection
- 2 150 PSIG pressure relief valve for added safety
- 3 Prefilter offers: first-stage particulate removal
- 4 Second-stage coalescing action of liquid contaminates
- 5 Automatic float drain expels liquid contaminates out of system
- 6 Third-stage contains activated charcoal for removal of gaseous hydrocarbons and tastes and odors
- 7 Extra fourth-stage contains more activated charcoal for extra filter life protection
- 8 Quick-disconnects
- 9 Pressure regulator with indicating gauge
- 10 CO monitor



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 5700  
Carbon Monoxide Monitor



- 1 LCD digital display
- 2 Audible alarm
- 3 Visual alarm
- 4 Low-battery lamp
- 5 On/Off lamp
- 6 Powered remote alarm jack
- 7 User-replaceable electrochemical sensor
- 8 Calibration adjustment
- 9 Battery compartment for two, 9 volt batteries

Specifications	Model BA050	Model BA100
Rated Air Flow (Max.) @ 100 PSI	50 SCFM (23.6 L/s)	100 SCFM (47.2 L/s)
Operating Pressure	100 PSIG Dynamic (6.9 bar)	100 PSIG Dynamic (6.9 bar)
Inlet Pressure (Max.)	150 PSIG Static (10.4 bar)	150 PSIG Static (10.4 bar)
Outlet Pressure Range	0-125 PSIG (0-8.6 bar)	0-125 PSIG (0-8.6 bar)
Operating Temp. Range	68-150°F (20-65°C)	68-150°F (20-65°C)
Outside Dimensions	20.5"L x 16.75"W x 8.5"D (521mm x 425mm x 216mm)	23.25"L x 20.75"W x 9"D (590mm x 527mm x 229mm)
Weight (Including Monitor)	25 lbs. (11.3 kg.)	36 lbs. (16.3 kg.)
Replacement Filter Set	FB050	FB100