

“Save
Your
Breath
With



11388 Breininger Road
P. O. Box 87
Hicksville, OH 43526
E-Mail Address: modsafe@bright.net

www.modsafe.com

(419) 542-6645
(800) 542-6646
888-MODSAFE
Fax: (419) 542-6475

"ORANGES TO ORANGES"

MST does have a competitive line of Breathing Air Panels that do not remove carbon monoxide. Our filtration system coalesces liquid aerosols, removes particulate contaminants and has a filter section containing activated carbon for removal of gaseous hydrocarbons, taste and odors. After the filtering is performed, a sample of the filtered air is routed to a carbon monoxide monitor for protecting the users from carbon monoxide poisoning. If the monitor goes into alarm, the user is supposed to remove his respirator and exit the area. We may also note that no other breathing air panel-type system contains as much activated charcoal as MST's.

With the above information in mind, the following is a list of some of the manufacturers of breathing air panel-type systems, with a brief description of their products as we know them.

SATA SPRAY EQUIPMENT:

SATA produces a small belt-mounted breathing package that consists of a mask, charcoal belt filter and related hoses. The belt filter has a limited capacity and is enclosed by a polycarbonate filter bowl subject to deterioration by many paint solvents (a "bomb" on your waist). The system does not remove carbon monoxide and does not have a monitor. A prefilter-regulator panel is "strongly recommended" and the system lists (with prefilter-regulator panel) around \$1000.00 without the mask or hoses.

BIOSYSTEMS, INC.:

Biosystems is another gas monitor manufacturer who utilizes their monitors in a few breathing panels. Their smallest system sells for \$1800.00 (utilizing an electrochemical-type sensor). The filters utilized in the system are identical to those of Dynamation and Enmet (same brand manufacturer).

DYNAMATION, INC.:

Dynamation, Inc. is a manufacturer of gas monitors for the industrial hygiene market. They produce a few breathing panel-type systems utilizing their monitors for both the automotive after market and the industrial market. Their "System D" probably fits better into the after market (its the lowest cost breathing system they produce) than their larger systems. The system sells for around \$800 to \$900 and utilizes an MOS-type CO monitor. The system does not remove carbon monoxide and has limited filtration capacity for hydrocarbon removal. A prefilter is recommended for better filtering efficiency.

ENMET CORPORATION:

Enmet Corporation, much like Dynamation, Inc., is a manufacturer of gas monitors. Enmet also produces various breathing panel-type systems for use with their monitors. Their smallest filter panel with CO monitor (MOS-type) sells for around \$1100.00. The systems does not remove carbon monoxide and has a limited-life charcoal paper element for removal of gaseous hydrocarbons.

INDUSTRIAL SCIENTIFIC CORPORATION:

Like the others, Industrial Scientific produces gas monitors, of which they use in two (2) breathing systems they produce. The filters are the same filters used by the latter three competitors and an additional coalescing filter (supported external of their portable suitcase package) is recommended. Their monitor utilizes an electrochemical-type sensor and their smallest system sells for around \$1800.00 and does not remove carbon monoxide.

BINKS:

Binks offers an air-line filter for removal of organic vapors, etc. The filter is produced by MSA and utilizes MSA's cartridges (normally used with their negative air respirators) in the filter. The filter is not designed to remove carbon monoxide and is just that, a filter. No pricing was available.

AIR SYSTEMS INTERNATIONAL

Air Systems "Breather Boxes" are a line of NON-CO REMOVAL breathing systems that incorporate a three stage filtration system that filters particulate matter, coalescing aerosol liquids and removes hydrocarbon vapor/odor. Their systems utilizes a monitor with an electrochemical-type sensor. Air System sells their filter replacement cartridges separately and total change out cost per unit will be greater than filter replacement cost on MST's NON-CO REMOVAL Systems. Compared to MST systems, (MST 50 CFM system has more hydrocarbon removing charcoal than Air Systems 100 CFM unit), the maintenance cost on Air System units will be much higher. Their systems sell for approximately \$2000 to \$2800 depending on rated size.

This concludes the list we have compiled regarding our competitors. The prices are approximate only, due to the fact that the information presented may be old regarding pricing. **PLEASE** do not hesitate to call us if you need further information or assistance @ **800-542-6646**.

MST'S RESPIRATORY PROTECTOR® IS THE ULTIMATE IN COMPRESSED AIR BREATHING PROTECTION.