Don't Just Filter...*Purify* with Our Low Temperature Catalyst to Remove CO

There is nothing else like it!

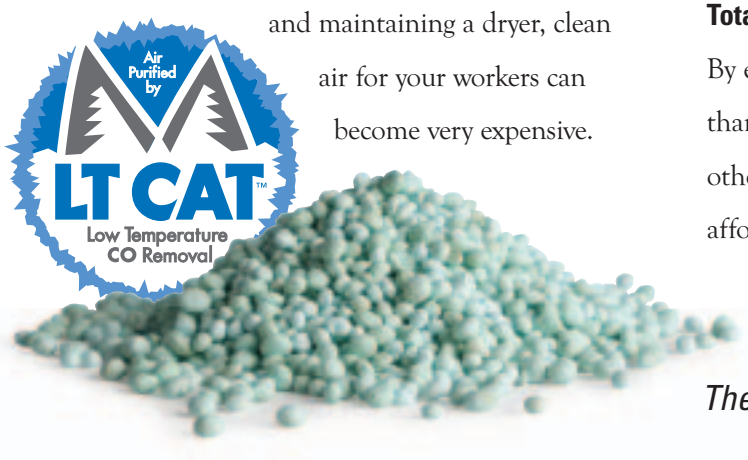
MST's unique LT CAT™ low temperature catalyst offers significant benefits over all other CO removal systems. Because we use a precious metal catalyst, our Respiratory Protector® Series Breathing Air Purification Systems convert CO to carbon dioxide without the limitations you find with every other CO removal system on the market today:

Removes CO and other toxic gases including: ozone, nitric oxide, sulfur dioxide, nitrogen dioxide, hydrogen sulfide, ammonia, acetaldehyde, methyl chloride, methyl ethyl ketone, acetone and methyl alcohol.

Lowest installed cost of any CO removal system (50%+ savings)

No expensive desiccant dryers

With our LT CAT catalyst, you don't need dryers. Other systems require very dry air to function (4% relative humidity). To get air this dry costs a lot of money, primarily for desiccant drying towers. When you factor in the cost of buying, operating and maintaining a dryer, clean air for your workers can become very expensive.



Continuous operation

Our Respiratory Protector Systems are designed to operate continuously. All other CO removal systems require drying time to remove moisture from saturated dryers. Continuous operation is possible with other companies' equipment, but they require "twin towers," to alternate operation while moisture is purged...more equipment, more complexity, more ***cost!***

Greater operator comfort

The ultra-dry air from all competitive systems is very uncomfortable for breathing! Respiratory Protector Systems provide comfortably humid air for operators, avoiding overly-dry nasal passages and discomfort.

Greater portability

At only 19 or 31 lbs., our portable Respiratory Protector systems are easy to get to the jobsite.

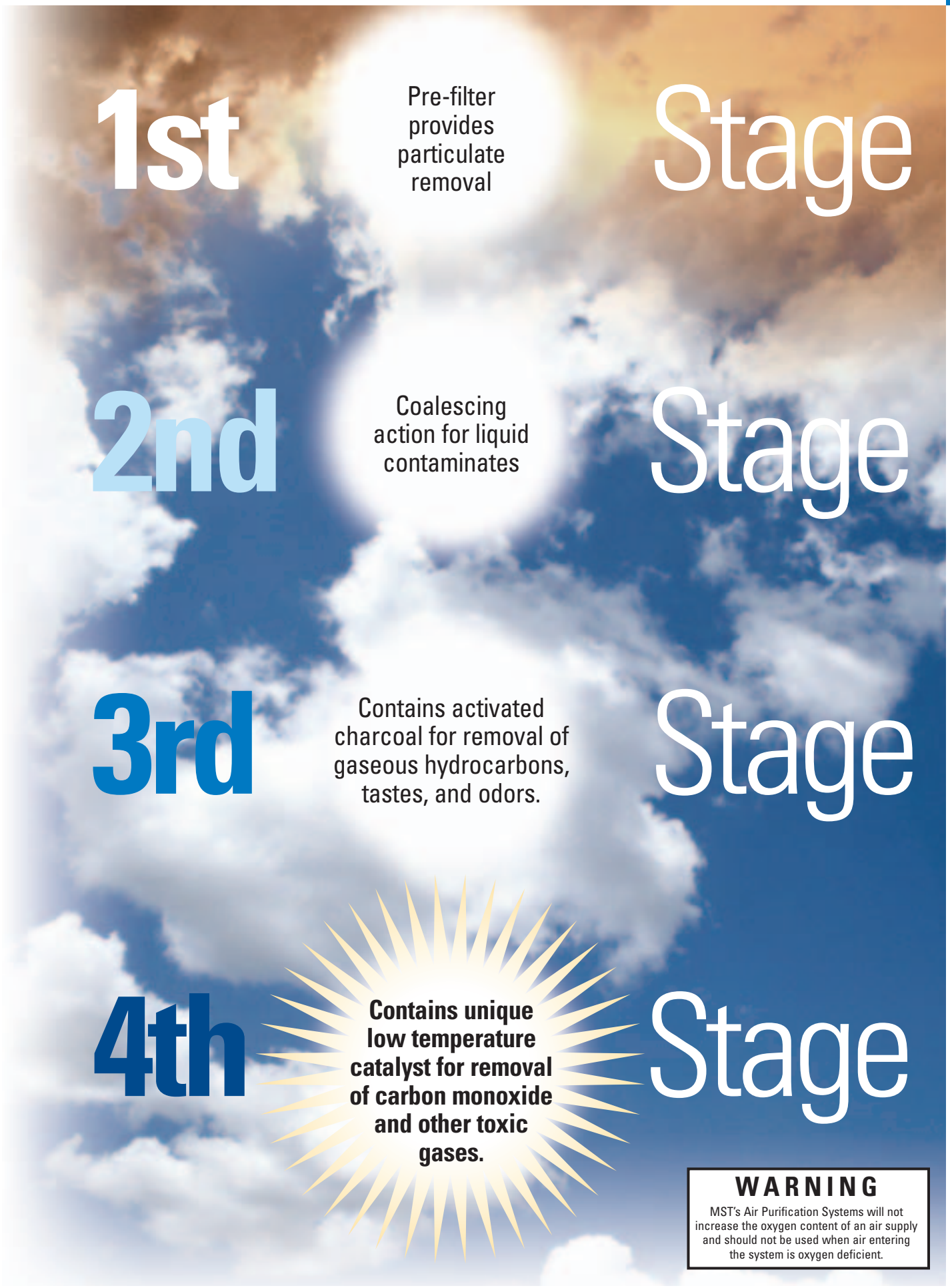
Unique air distribution baffles

Maximize absorption and catalytic efficiency.

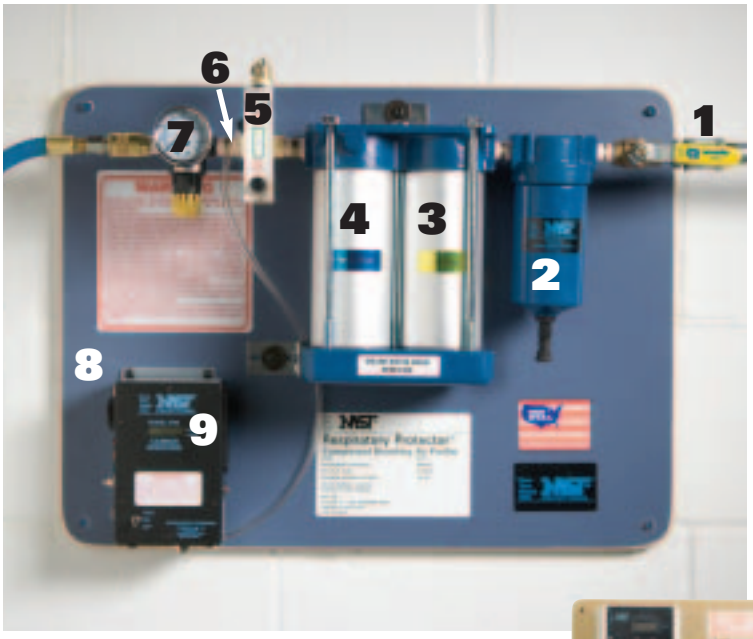
Total costs are much lower

By eliminating dryers, our unique design removes more than half of the cost for most systems compared to other CO removal equipment, making CO removal affordable for any operation.

The difference is the catalyst!


1st Stage
Pre-filter provides particulate removal
2nd Stage
Coalescing action for liquid contaminates
3rd Stage
Contains activated charcoal for removal of gaseous hydrocarbons, tastes, and odors.
4th Stage
Contains unique low temperature catalyst for removal of carbon monoxide and other toxic gases.
WARNING
MST's Air Purification Systems will not increase the oxygen content of an air supply and should not be used when air entering the system is oxygen deficient.

Respiratory Protector®
Wall Mount CO Removal Systems



Model RP010ANF-S1

1 *Ball valve at inlet to facilitate filter changing operations*

2 *Pre-filter offers two-stage protection*

3 *Third-stage contains deep charcoal bed for removal of gaseous hydrocarbons, tastes and odors*

4 *Fourth-stage contains deep bed of low-temperature catalyst for removing carbon monoxide and other toxic gases*

5 *Flow meter*

6 *Pressure relief valve for added protection*

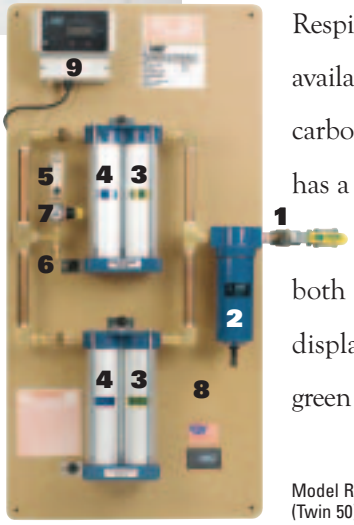
7 *High flow regulator with gauge to adjust main outlet air supply*

8 *Rugged panel board for mounting complete system*

9 *Carbon monoxide monitor (choose from four options)*

Like all Respiratory Protector systems, our wall-mount units employ LT CAT low-temperature catalyst, removing CO while eliminating the cost of desiccant dryers and providing a continuous flow of moist, comfortable breathing air. We offer wall-mount systems with capacities from 10 to 1000 SCFM.

If space considerations allow, our Twin 50 Model offers significantly lower replacement catalyst cartridge costs for larger systems.



Model RP050BMST-S1(2)
(Twin 50)

Respiratory Protector 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 RP010	Model RP050	Model RP050 (Twin 50)	Model RP100	Model RP200
Rated Air Flow (Max.) @ 100 PSI	10 SCFM (4.7 L/s)	50 SCFM (23.6 L/s)	100 SCFM (47.2 L/s)	100 SCFM (47.2 L/s)	200 SCFM (94.4 L/s)
Operating Pressure	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)
Inlet Pressure (Max.)	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)
Outlet Pressure Range	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)
Operating Temp. Range	68-150°F (20-65°C)	68-150°F (20-65°C)	68-150°F (20-65°C)	68-150°F (20-65°C)	68-150°F (20-65°C)
Operating Relative Humidity (Inlet Air - Non Condensing)	30-100% RH	30-100% RH	30-100% RH	30-100% RH	30-100% RH
Outside Dimensions	24"L x 18"W x 5.75"D (610mm x 457mm x 146mm)	23.25"L x 20.75"W x 9"D (590mm x 527mm x 229mm)	48"L x 24"W x 5.75"D (1219mm x 610mm x 146mm)	24"L x 36"W x 7.75"D (610mm x 915mm x 197mm)	36"L x 36"W x 7.75"D (915mm x 915mm x 197mm)
Weight (Including Monitor)	18 lbs. (8.2 kg.)	31 lbs. (14.1 kg.)	53 lbs. (24.2 kg.)	86 lbs. (39 kg.)	125 lbs. (56.7 kg.)
Replacement Filter Set	RCRP010	FX050	FX050/2	FX100	FX200C