

# AFS-50

## AIR FILTRATION SYSTEM FOR SUPPLIED-AIR RESPIRATORS

### FEATURES

- Designed for assuring Grade D breathing air, when equipped with optional CO/O<sub>2</sub> monitor\*
- Includes 4 outlets for connection to supplied-air respirators
- 50 CFM capacity
- Two-stage prefilter/coalescer removes oil, water, and solid particles
- Pressure drop gauge automatically indicates need to change filter
- Adsorber removes unpleasant odor and taste
- Compatible with a variety of ENMET carbon monoxide and oxygen monitors
- Standard with wall-mount brackets
- Can be supplied in the following configurations:
  - In optional transit case
  - On optional wall-mount plate
  - With optional CO/O<sub>2</sub> monitor

\*Optional CO monitors allow compliance with OSHA Respiratory Standard CFR 1910.134.



AFS-50 System

The new AFS-50 Air Filtration System by ENMET is designed to provide workers with high quality breathing air from a compressor, when equipped with an optional CO monitor. The AFS-50 system incorporates a two-stage prefilter/coalescer which removes oil, water, and solid particles, followed by an adsorber which removes unpleasant odor and taste from the supplied air. The coalescer is a high-efficiency filter that removes oil mist and fine (sub-micron) particles. The AFS-50 has 50 CFM capacity and is equipped with 4 outlet ports for connection to supplied-air respirators. The AFS-50 is compatible with a variety of ENMET carbon monoxide and oxygen monitors. The system is compact and can be supplied in a transit case or on a wall-mount plate, with or without a CO/O<sub>2</sub> monitor.



# AFS-50

AIR FILTRATION SYSTEM FOR SUPPLIED-AIR RESPIRATORS

## SPECIFICATIONS

<b>Inlet Pressure:</b>	Maximum 150 psi
<b>Manifold Pressure:</b>	Maximum 100 psi, system supplied with regulator and 160 psi gauge
<b>Pressure Relief Valve:</b>	Factory set to open at 100 psi and limit manifold pressure
<b>Total Air Capacity:</b>	Maximum 50 CFM
<b>Outlet Connections:</b>	Supplied with 4 quick disconnects (Hansen series 1000 compatible) for connecting respirators. A fifth quick disconnect can be used for connecting a CO/O <sub>2</sub> monitor or additional respirator.
<b>Inlet Port:</b>	1/2" NPT, female
<b>Prefilter/Coalescer:</b>	Removes oil, water, and solid particles
<b>Drain, Prefilter/Coalescer:</b>	For periodically removing collected fluids in the prefilter bowl
<b>Pressure Drop Indicator:</b>	Indicates the condition of the prefilter/coalescer element and when to change it
<b>Adsorber:</b>	Removes unpleasant odor and taste from the air system
<b>Adsorber Drain:</b>	For periodically removing collected fluids in the adsorber bowl
<b>Size:</b>	12"W x 15"H x 5"D (AFS-50 only)
<b>Weight:</b>	10 lbs. (AFS-50 only)
<b>Optional Case:</b>	High impact ABS construction 19" x 15" x 6", 8 lbs.
<b>Optional Plate:</b>	Painted steel construction 21"W x 17"H, 13 lbs.

## ORDERING INFORMATION:

Description	Part No.
<b>AFS-50, Air Filtration System</b> Supplied with mounting brackets	<b>03462-001</b>
<b>Optional Plate, Wall-Mounting</b> for ISA-RAL-M, ISA-200RAL, or ISA-200RAL-O CO or CO/O <sub>2</sub> Monitor and AFS-50	<b>03262-002</b>
<b>Optional Case</b> Holds AFS-50 and CO-RAL, 9 Vdc, CO Monitor, during transit and use	<b>03462-003</b>



AFS-50 System in Optional Case with SPECTRUM CO-RAL



AFS-50 System on Optional Plate with ISA-RAL-M

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE