

AFS-50

Air Filtration System for Compressed Breathing Air and Supplied-Air Respirators



PRODUCT HIGHLIGHTS

- **Designed for ensuring Grade D breathing air when equipped with available CO/O₂ monitor**
- **Two-stage prefilter/coalescer removes oils, water and solid particles**
- **50 CFM capacity with 4 outlets for connection to supplied-air respirators**
- **Adsorber removes unpleasant odor and taste**
- **Compatible with a variety of ENMET carbon monoxide and oxygen monitors**
- **System is provided with wall-mount brackets**

AFS-50 is a compact compressed breathing air filtration system that removes oil, water, solid particles and odors from a compressed air system. AFS-50 system incorporates a unique three-stage filtration concept which utilizes a prefilter, high-efficiency coalescer filter and charcoal adsorber element. The compressed air system is connected to the AFS-50 through the ½ inch inlet port with a maximum pressure of 150 psi. The air passes through the prefilter/coalescer, a two-stage filtering device, which removes oil, water, and solid particles from the compressed air. The prefilter extends the life of the coalescer and adsorber filter elements. The coalescer is a high-efficiency filter that removes oil mist and fine (sub-micron) particles. Once the compressed air is filtered through the prefilter/coalescer it then passes through the adsorber filter which removes unpleasant odor and taste. Each filter includes a drain for periodically removing collected fluids in the filter bowl. The filtration system includes a pressure drop gauge that automatically indicates when the prefilter/coalescer needs to be replaced.

AFS-50 is supplied with a manifold pressure regulator and gauge for adjusting the manifold pressure. The maximum manifold pressure is 100 psi and the system includes a spring-loaded relief valve that is activated by a manifold pressure of 100 psi to prevent overpressure of components attached to the filter panel. AFS-50 manifold has a maximum capacity of 50 CFM and is equipped with four outlet ports each supplied with a quick-disconnect that is Hansen compatible. The system provides uniform air distribution to four supplied-air respirators and a fifth quick-disconnect can be used for connecting a carbon monoxide monitor or an additional respirator.

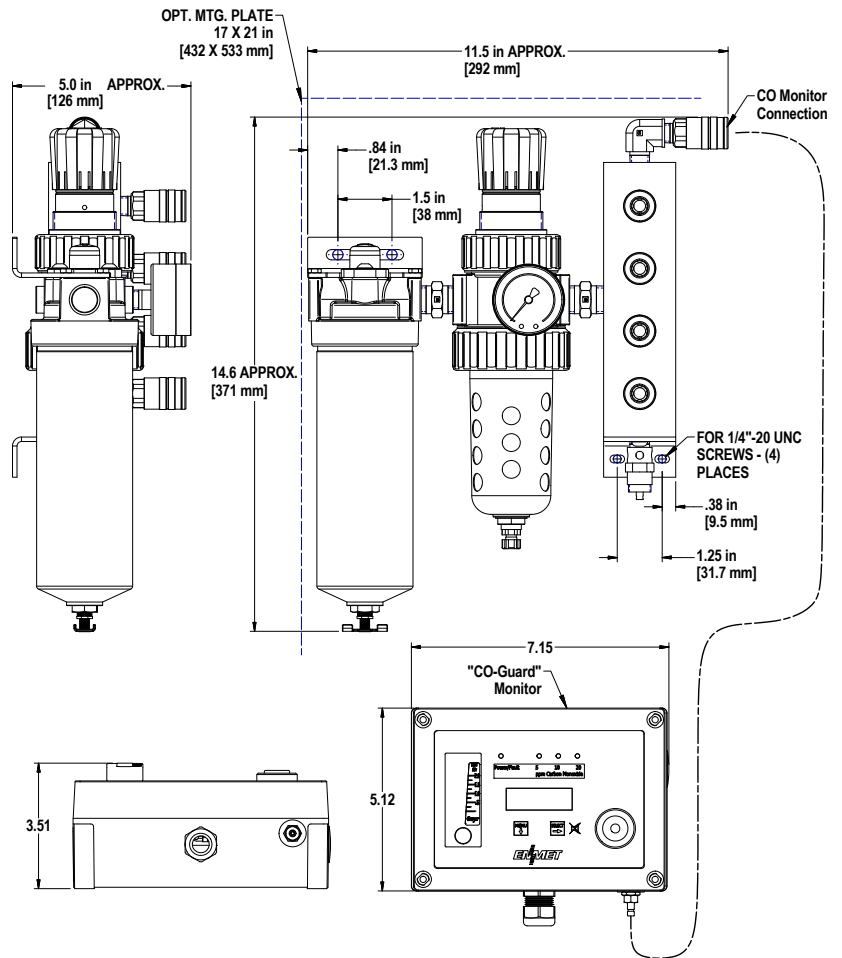
AFS-50 is designed to provide workers with high quality supplied breathing air from a compressor, when equipped with an optional CO monitor. AFS-50 is compatible with a variety of ENMET carbon monoxide and oxygen monitors.

AFS-50

GENERAL SPECIFICATIONS

Inlet Pressure:	Maximum 150 psi
Manifold Pressure:	Maximum 100 psi, system supplied with regulator and 160 psi gauge
Pressure Relief Valve:	Factory set to open at 100 psi and limits manifold pressure
Total Air Capacity:	Maximum 50 CFM
Outlet Connection:	Supplied with 4 quick-disconnects (Hansen series 1000 compatible) for connecting respirators. A fifth quick-disconnect can be used for connecting a CO/O ₂ monitor or additional respirator
Inlet Port:	1/2 inch NPT, female
Prefilter/Coalescer:	Removes oil, water, and solid particles
Prefilter/Coalescer Drain:	For periodically removing collected fluids in the prefilter bowl
Pressure Drop Indicator:	Indicates the condition of the prefilter/coalescer element and when to change it
Adsorber:	Removes unpleasant odor and taste from the air system
Adsorber Drain:	For periodically removing collected fluids in the adsorber bowl
Size:	11.5 W x 14.6 H x 5 D inches (29.2 W x 37.1 H x 12.6 D cm)
Weight:	10 lbs. (4.5 kg)
Optional Plate:	Painted steel construction 21 W x 17 H (53.3 W x 43.2 H) Weight: 13 Lbs. (5.9 kg)
Options:	<ol style="list-style-type: none"> AFS-50 can be supplied on a wall-mount plate, with or without a CO/O₂ monitor. AFS-50 can be supplied with Schrader fittings

DIMENSIONS



AFS-50 with optional CO monitor attached

ORDERING INFORMATION

Description	Part No.
AFS-50 Air Filtration System supplied with mounting brackets	03462-001
Optional plate for wall mounting	03462-002