

MAV-8E

Mobile Aircraft Fuel Tank Respiratory Protection System

Description: A complete, portable system to supply clean breathable air to personnel entering Fuel Tanks for inspection or repair. All equipment stores within two strong, reusable containers that can be manually transported. Provides a smaller footprint for Mobility/Deployment operations. Functions with portable or stationary electrical supply 115 volt, single phase, 60 Hz current. Explosion Proof design. System features a oil-less Ambient Air Breathing Pump that operates three NIOSH approved Supplied Air Respirator Mask and Hose Assemblies. Respirator Masks include a built in speaking diaphragm for better communication.

Contents:

1 Each	Electric Driven, Explosion Proof Ambient Air Breathing Pump.
3 Each	Full Face adjustable Respirator Mask with Matching 100 ft. of Air Hose and Quick Disconnect Fittings NIOSH approved.
1 Each	Box of 10 Replacement Filter Cartridges for Air Pump
1 Each	Breathing Pump Storage Container
1 Each	Respirator Equipment Storage Container.



Respiratory Protection
Equipment



All Respiratory Protection equipment stores
within these reusable containers.

WARNING: *This Respiratory Protection System is not to be used in areas that are Immediately Hazardous to your Life or Health. Always ventilate Fuel Tank to safe acceptable levels before entering.*

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Rhine Air's Mobile Aircraft Fuel Tank Respiratory Protection System

Designed specifically for personnel that enter Aircraft Fuel Tanks.

Provides clean, oil-less ambient air delivery.

Operates with existing power supplies.

Very portable, sets up quick and easy.

Electrically Driven, Explosion Proof Design.

Operates up to three NIOSH approved supplied air respirators at a time.

HEPA air filtration capacity.

Smaller size footprint for Mobility / Deployment conditions.

Off the shelf, commercially available.

Impact and crush resistant reusable containers

System Specifications

Breathing Pump Storage Container Overall

Dimensions

Length 43" Width 31" Height 28"

Respirator Equipment Storage Container Overall

Dimensions

Length 30" Width 30" Height 22"

Reusable Container Features

Rotationally molded MDPE Plastic

Recessed Hardware - Stainless Steel

Molded Tongue-in-groove gasketed parting line

Pressure relief valve

Removable lid

Forest Green Color

Multiple Recessed Lifting Handles

Breathing Pump and Storage Container Weight

235 Lbs.

Respirator Equipment and Storage Container

Weight

105 Lbs.

Required Power Supply

AC Electrical Current

115 volt, Single Phase, 60 Hz

20 Amp Minimum Fuse Circuitry

Breathing Pump Output Capacity

Air Volume: 15 cfm

Air Pressure: 15 psi

Operates up to three full face supplied air respirator assemblies at once.

PORTABLE OIL-LESS AMBIENT AIR BREATHING PUMP



NIOSH Approved Respirators

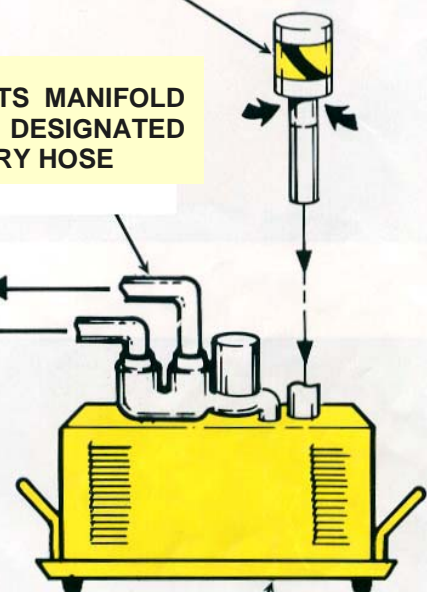


1) INTAKE FILTER
DRAWS IN AMBIENT AIR
(CAN BE EXTENDED)

3) AIR EXITS MANIFOLD
THROUGH DESIGNATED
RESPIRATORY HOSE

2) AIR IS ROUTED
THROUGH OIL-LESS PUMP

4) SIMULATED TRAVEL PATH OF
AIR THROUGH RESPIRATORY HOSE



Basic Breathing Schematic