

MAV-5C

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 a strong, reusable container that can be manually transported. Provides a smaller footprint for Mobility/Deployment operations. Functions with portable or stationary compressed air supply. System features a oil-less Ambient Air Breathing Pump that operates two NIOSH approved Supplied Air Respirator Mask and Hose Assemblies. Respirator Masks include a built in speaking diaphragm for better communication.

Contents:

1 Each	Pneumatic Driven Oil-less Ambient Air Breathing Pump
2 Each	Full Face adjustable Respirator Mask with Matching 100 ft. (30m) of Air Hose and Quick Disconnect Fittings NIOSH approved.
1 Each	Inlet Compressed Air Hose Assembly 100 ft. (30m) with attached Quick-Disconnect Fittings.
1 Each	Box of 10 Replacement Filter Cartridges for Air Pump
1 Each	Reusable Equipment Storage Container.

All Respiratory Protection equipment stores within this reusable container.



**Respiratory
Protection
Equipment**

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.*

MAV-5C

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.

Lightweight and very portable, sets up quick and easy.

Eliminates sensitive or unreliable air monitoring alarm devices.

Includes a more durable air pump design that is almost maintenance free.

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 container with built-in equipment storage dividers.

System

Storage Container Overall Dimensions

Length 38" (96cm) Width 38" (96cm) Height 23" (59cm)

Reusable Container Features

Rotationally molded MDPE Plastic
Recessed Hardware - Stainless Steel
Molded Tongue-in-groove gasketed parting line
Pressure relief valve
Removable lid
GSE Yellow Color
Recessed Handles on left, right, front and rear sides
(Set of 8)
Attached Aluminum inner compartment dividers

Total System Weight

225 Lbs. (102 kg)

Required Power Supply

Compressed Air
50 cfm at 80 psi
(85m³/hr at 5,6 kg/cm²)

Breathing Pump Output Capacity

Air Volume: 12 cfm (21m³/hr)
Air Pressure: 12 psi (.85kg/cm²)
Operates up to three full face supplied air respirator systems 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 System Schematic