

# The MAV-2 Fuel Tank Ventilation Kit

## Ground Support Equipment for Aircraft Fuel Systems Inspection and Maintenance Operations

NSN – 1560-01-492-8255



## **Increases Readiness While Reducing Deployment Footprint**

The MAV Systems adapt to and operate on all sizes of Aircraft and Helicopters  
Ideal for Rapid Deployment Expeditionary Forces as well as fixed base operations  
Less than half the size and much lighter than the current inventoried Fuel Tank Servicing Cart Systems

## **Reduces Mobility Response Time**

Designed for immediate transport  
Loads faster and takes up less space for deployment  
The MAV Series features a stackable secure container design

## **Lower Cost and Increased Reliability**

Qualifies as a Commercial off the shelf item (COTS)  
The MAV Systems are less than half the cost than current inventoried cart systems  
Includes a more durable, effective ventilator that is virtually maintenance free  
Less maintenance required. Reduces labor and support costs

## **Increases Deployed Combat Capability and Effectiveness**

The MAV Systems can be easily transported and operated within forward positioned staging areas  
Operates effectively and reliably with existing Portable Air Compressors or electrical generators

## **MAV ventilation kit Features**

- A very portable system to ventilate one or multiple Aircraft Fuel Tanks at once
- Achieves an unparalleled level of safety and efficiency
- Functions with portable or stationary compressed air supply
- Proven through documented testing to drastically reduce the time required to render fuel tanks safe for inspection or repair
- Lightweight and very portable, sets up quick and easy
- Impact and Crush resistant reusable container with built-in equipment storage dividers
- Off the shelf, commercially available
- Most system components have assigned National Stock Numbers
- Designed specifically for Aircraft Tank Ventilation
- Capability to purge and exhaust Fuel Vapors completely away from Aircraft Location
- Produces a safer working environment
- Entire System designed to dissipate and relax Static Electrical Charges
- Low Noise Operating Level
- Compressed Air Requirements:
  - 50 SCFM at 80 PSIG or 25 L/sec at 5.5 BarG

# MAV-2

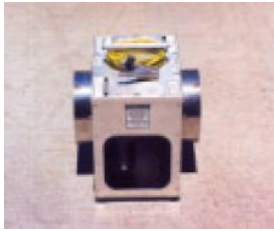
## Mobile Aircraft Fuel Tank Ventilating System

### Contents:

- 1 x Pneumatic Driven Air Mover with attached 25' (7,5m) Static Bonding Cable Assembly  
Part Number APV-2 – NSN 4140-01-105-6326
- 6 x Conductive Ducting 8" x 15' (203mm x 4.6m) with built-in Storage Device and J-Slot Quick Disconnects Ends  
Part Number NFRA-8X – NSN 4720-01-324-0233
- 1 x Inlet Compressed Air Hose Assembly 100 ft.(30m) with attached Quick Disconnect Fittings  
Part Number ED1313B -100 – NSN 4240-01-51-8160.
- 1 x Intake Air Filter Adapter for Air Mover  
Part Number AP-3
- 1 x Reusable Container (Part Number RAC-2).

*NOTE: Designed for EU/CE Compliance. Air Mover and Conductive Duct independently reviewed in conformance with EN1127-1: 1997 PROTOCOL. Adequate for use in a Category 1 environment.*

## APV – 2



### Pneumatic Driven Air Ventilator

Includes 8" (203mm) Diameter J-Slot Duct Connector Rings on both intake and exhaust port. 25 ft. (7.5m) Attached Static Bonding Cable.

**NSN 4140-01-105-6326**

## NFRA-8X



### 8" x 15' (203mm x 4.6m) Static Conductive Air Duct

Includes J-Slot Duct Connector ring and built in self storage device.

**NSN 4720-01-324-0233**

## ED1313B-100



### Inlet Compressed Air Hose Assembly

A 100-ft. (30m) Compressed Air Hose Assembly that features attached quick disconnect air fittings. Sized to supply proper air flow and pressure to operate pneumatic driven ventilator.

**NSN 4240-01-251-8160**

## AP-3



### Intake Air Filter Adapter

Connects to Intake Air Port on Ventilator to filter ambient air flow before it is circulated into the tank.

**NSN 1660-01-492-7768**