

Mobile Ventilation Unit (MVU™)

The Tempest Mobile Ventilation Unit is the next step in the evolution of PPV as a revolutionary firefighting tool, allowing for fast and controlled ventilation of large structures. The MVU makes it possible to quickly remove smoke, heat and gases from high-rise buildings, subway tunnels, aircraft and large commercial structures.

MVU™
MOBILE VENTILATION UNIT

MVU Applications

ARFF Operations: Remove smoke, heat and gases from passenger terminals, large frame aircraft, airport hotels and tunnels.

High-Rise Stairwell Pressurization & Ventilation: Prevent smoke and heat from entering stairwells and hallways of high-rise buildings. Create unobstructed paths for evacuation and fire attack access.

Large Commercial Structure Fires: Control smoke migration in box stores, shopping malls and warehouses to enhance safety of first responders and reduce potential property loss. Ventilate underground floors and parking areas from ground level.

Emergency Tunnel Ventilation: Support fixed ventilation systems or control heat and smoke when no fixed ventilation is available. Ventilate subway tunnels from above ground positions.

Manufacturing Facilities/Warehouses: Minimize disruption of operations caused by small fires or chemical releases by quickly controlling and removing heat and gases.

Mass Decon/Hazmat Ventilation: Utilize MVU misting capabilities to knock down gases, dilute chemical agents and decontaminate personnel and equipment.

Why purchase a Tempest Mobile Ventilation Unit?

Tempest built the first Fire MVU™ in 1996 and is the leader in the design and application of large diameter mobile ventilation tools. With more than 100 units in service around the world, Tempest has the experience and knowledge to provide the right Mobile Ventilation Unit for your specific application. In addition, Tempest offers the necessary training and support to ensure every MVU is operated safely and effectively.

Request a free CD-ROM:

(see back cover for contact information)

- Tempest MVU CD which includes
 - Real life incident reports
 - Test reports
 - *MVU in Action* Videos
 - Specifications and pricing
 - Customer and reference lists
- NIST (National Institute of Standards and Technology) High-Rise Ventilation Experiments and Testing DVD.



Tempest offers three MVU models to meet your ventilation needs

MVU-48



The **MVU-48** features a 48" diameter ventilator and is powered by a 130hp Cummins diesel engine. The diesel engine powers a hydraulic system that drives the ventilator, scissors lift, rotation and tilt. The MVU-48 generates 130,000 cubic feet of air per minute (221,000 m³/hr). Weight: 8,000 pounds.



MVU-60



The **MVU-60** features a 60" diameter ventilator. The 130hp Cummins diesel engine powers a hydraulic system that drives the ventilator, scissor lift, rotation and tilt. The MVU-60 generates 150,000 cubic feet of air per minute (255,000 m³/hr). Weight: 12,000 pounds.

MVU-125



The **lightweight MVU-125** features a 48" diameter ventilator and is powered by a 100hp Ford engine. Its belt-drive system and carbon fiber impeller allow the MVU-125 to generate 125,000 cubic feet of air per minute (212,000 m³/hr). Weight: 800 pounds. Unit may be mounted directly to a skid, trailer or apparatus.



Any Tempest MVU can be ordered with these options:

Scissor Lift: For ventilation over obstructions and into above-ground ventilation openings.

Ventilator Rotation: For precise lateral control of air pattern for effective PPV.

Ventilator Tilt: For directing air pattern upward or into below-ground openings.

Misting System: Introduce water or water additives into the air stream for cooling and mass decontamination.

Contact Tempest Technology or your local Tempest Dealer for detailed specifications and pricing. On-site demonstrations are available.



See page 3 for more information

