

# SUPERVAC

## Unmanned Misting Turbines



### AREAS OF APPLICATION

- › Commercial Buildings
- › Oil and Gas
- › Tunnels and Subways
- › Parking Structures
- › Wildland Urban Interface

# THE ULTIMATE UNMANNED MISTING TURBINE

## Super Vac's Mobile and Turntable Fans Attack Fire from Remote Distances

It's no secret — mist is an efficient cooling and extinguishing agent. However, distributing mist long distances to keep firefighters safe has always been a challenge. Until now. Introducing Super Vac's large-scale unmanned misting turbine by EmiControls, which atomizes water and extinguishing foam into a fine mist before propelling up to 300 feet with Quadrijet nozzles and turbine propeller. EmiControls advanced remote control adds another 1,000 feet of distance from the firefighting hazard, making these turbines the most ultimate unmanned firefighting fans on the market. Available in the mobile TAF35 or TAF60X models or a turntable MFT35H design, these robots are ideal for extinguishing large-scale fires or approaching dangerous fires deep within a tunnel, light rail or underground parking structure.



MOBILE TAF60X



MOBILE TAF35

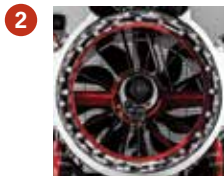


TURNTABLE MFT35H

### Water Features



**40 Turbine-Ring Quadrijet Nozzles:** Provides up to 400 gpm of water and features a choice of different nozzle heads to break up water droplet size in the air stream

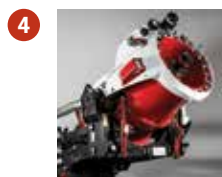


**Powerful Turbine Propeller:** Combines 25kW power with a polymer propeller to deliver a 35,000 cfm output to help drive water droplets and humidity deep into structures



**Integrated Standard Akron Nozzles:** Features Akron nozzles (or your brand of choice), producing up to 1,200 gpm that can be propelled up to 300 ft. with adjustable pattern to remotely dampen or extinguish fires

### Remote Features



**Maneuverable Design:** Tilt the turbine down 19° and up 43° and rotate the turntable 362° for ultimate maneuverability; the design also fits into parking garages as low as 80" while having the ability to raise an additional 67"



**Mobile Crawler Tracks:** Navigate harsh terrain and drag the hose deeper within the structure, even with 30° inclines and 15° traverse, thanks to the mobile unit's 71HP Kubota diesel engine



**EmiControls Remote Operation:** Features remote control operation, allowing the turbine to be "unmanned" up to 1,000 feet to help keep firefighters safe; ideal for fighting fires deep within a tunnel, light rail or underground parking structure



**DUAL MISTERS**



**STRAIGHT STREAM**



**POWER CONE**



**POWER CONE + MISTER**

Combining a turbine ring, powerful propeller and integrated nozzle, these unmanned misting turbines convert water into a powerful firefighting mist with 300-ft. reach.



See these misting turbines in action!



# Mounting



**TRACKED**



**TRAILER**



**TRUCK**

## Specifications

**Turntable MFT35H Turbine** - H x W x D: 74" x 56" x 70" - 1,880 mm x 1,420 mm x 1,780 mm

Power	Weight	Water Flow	Throwing Distance	Maneuverability	Output
25kW Hydraulic Turbine Motor	1,750 lbs 790 kg	Mist: 400 gpm Full Flow: 1,000 gpm	Mist: 150 ft. Full Flow: 250 ft.	-19°/+43° tilt 13-ft. lift 362° rotation	35,000 cfm 60,000 cmh

**Mobile TAF35 Turbine** - H x W x D: 84" x 63" x 115" - 2,130 mm x 1,600 mm x 2,950 mm

Power	Weight	Water Flow	Throwing Distance	Maneuverability	Output
25kW Hydraulic Turbine Motor Kubota 71HP 14.gal. Diesel Engine (5.6 mph top speed)	8,425 lbs. 3,820 kg	Mist: 400 gpm Full Flow: 1,250 gpm	Mist: 200 ft. Full Flow: 300 ft.	-22°/+40° tilt 13-ft. lift 360° rotation 58% (30°) climbing ability 4.25 tons traction force	35,000 cfm 60,000 cmh

**Mobile TAF60X Turbine** - H x W x D: 85" x 65" x 125" - 2,160 mm x 1,650 mm x 3,175 mm

Power	Weight	Water Flow	Throwing Distance	Maneuverability	Output
25kW Hydraulic Turbine Motor Kubota 71HP 14.gal. Diesel Engine (5.6 mph top speed)	8,885 lbs 4,040 kg	Mist: 400 gpm Full Flow: 1,500 gpm	Mist: 200 ft. Full Flow: 300 ft.	-22°/+40° tilt 13-ft. lift 360° rotation 58% (30°) climbing ability 4.25 tons traction force	35,000 cfm 60,000 cmh

## Optional Features



**Forklift:** Allows the mobile versions to clear obstacles and provides up to 1,000 lbs. of lifting capability



**Camera Kits:** Provides two front and two rear cameras (Kit 1) or thermal imaging capabilities (Kit 2) to detect hazards and fire source



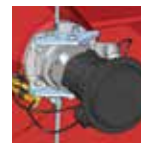
**Six Ground-Sweep Nozzles:** Uses a portion of the extinguishing water to cool the surrounding area for self-protection



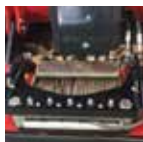
**Railway Kit:** Retrofits the mobile models with foldable rail wheels for maneuverability in tunnels or subways



**Web-Based GPS:** Allows crews to track the turbine's unmanned operation while defining zones of action and monitoring maintenance needs



**Center Monitor Control:** Rotates center monitor up to 17° degrees in either direction independently of the turbine direction, allowing maximum coverage



**Remote-Controlled Winch:** Features 130 ft. of steel winch cable for pulling and recovering obstructions; hydraulic driven



**Air Ducting Hose:** Provides Class 1 ducting to ventilate confined spaces and other hard-to-reach areas



**Custom Nozzle Selection:** Retrofits with most nozzle manufacturers

**Super Vac-Manufactured Truck, Flatbed, Skid Unit or Custom Trailer:** Gives departments the ability to customize mounting options for turbine transport

supervac.com

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The TAF35, TAF60X and MFT35H turbines are manufactured by EmiControls in Bolzano, Italy and sold by Super Vac in North America. See a Super Vac representative for further details. All information in this brochure is the latest available at the time of publication. Printed in the USA. 250 0822 ©2022 Super Vac