

DUST CANNON

AQUAMIST™
BY TEREX



Dust formed in the process of work is now globally recognised as a significant contributor to ill-health. As more legislation comes into place, more effective control is required, especially in built up areas.

As a means of control water-suppression reduces dust clouds but needs to be applied correctly and throughout the duration of the work activity to be effective.

Traditional water-jet dust suppression systems generate water droplets with a 1000 micron average diameter; these large droplets are simply not able to capture the much smaller troublesome dust particles which typically have a circa 80 micron diameter. Furthermore water-jets tends to pass through the dust cloud and produce high levels of residual moisture and water pooling on the ground.

Terex has developed the Aquamist dust suppression system, an improvement over conventional jets or water-sprays. They are a high capacity misting fan which produces finely divided water droplets in the size range 10-150 micron diameter. At this size they can easily combine themselves with dust particles of similar dimensions and precipitate them out of the air. Because water-mists "float" more than a conventional spray it covers and envelops the dust cloud more effectively.

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Robust Chassis

All components are hot dip galvanised or zinc plated: perfect for the demolition, steel or rental industry



Electric tilt and automatic main valve for ease of operation



Automatic swing operation to dispense the mist over a large area



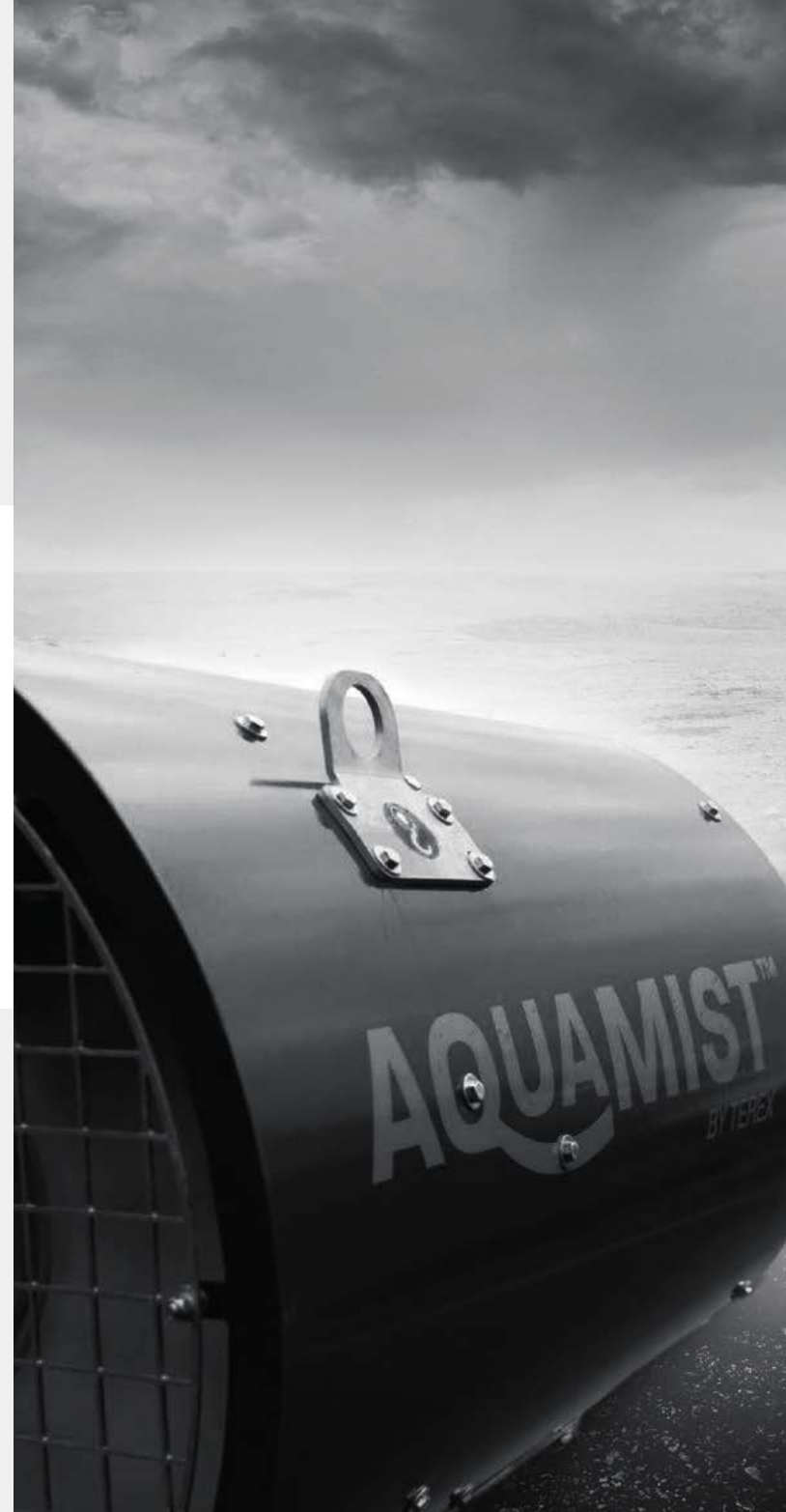
Low Power Consumption



Adjustable water flow to suit requirements



Droplet Size
Between 10-150 microns



AQ45 STATIC

FEATURES & BENEFITS

Droplet Size 10-150 microns
Fine mist for optimal dust suppression

Control Panel
Easy to use control panel and
optional wireless remote control

Automatic Turning System
25° to 350° in steps of 25°
for full coverage

7 Bar Water Pump
with adjustable pressure



-10/+50° of Head Tilt
controlled from both
panel and remote control

Fan Motor Rating 7.5kW

STANDARD EQUIPMENT

- Water pump 6-16 bar
- Power connector placed on main frame
- Electric elevation
- Pump run dry protection
- Water drain valve
- 300 micron 1" filter system
- Automatic turning system
- Automatic water inlet valve
- Adjustable water output

OPTIONS

- Wireless remote control
(Only available as a factory fit option)
- Water Pressure Boost Pump
- Country specific inlet plug

DIMENSIONS

Length 1.4m (4' 7")

Width 1.3m (4' 3")

Height 1.9m (6' 3")

Dry Weight 465kg (1,025 lbs)

AQ45 ROUGH TERRAIN

FEATURES & BENEFITS



STANDARD EQUIPMENT

- Water pump 6 – 16 bar
- Power connector placed on main frame
- Pump run dry protection
- 300 micron 1" filter system
- Automatic turning system
- Automatic water inlet valve
- Adjustable water output
- 5000L water tank capacity (1320 US Gallons)
- Galvanized single axle rough terrain trailer
- Chequer plate non-slip tank top
- On-board generator
- Fold-out sidestep
- Lifting eyes
- Electric elevation
- Water drain valve

OPTIONS

- Wireless remote control (Only available as a factory fit option)
- Water Pressure Boost Pump
- Country specific inlet plug

DIMENSIONS

- Length** 4.595m (15'1") Tow bar folded
- Length** 5.844m (19'2") Tow bar extended
- Width** 2.241m (7'4")
- Height** 2.545m (8'4")
- Dry Weight** 2,250 kg (4,960lbs)

SPECIFICATION

| | |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fan Motor Rating | 7.5kW |
| Pump Motor Rating | 2.2kW |
| Oscillating Motor Rating | 0.18kW |
| Current Consumption | 23 Amps |
| Specified Voltage | 400-480 AC |
| Frequency | 50/60Hz |
| Power Connector Size | L1-L2-L3-PE / 32A – 5 pin |
| Control Panel | <ul style="list-style-type: none"> - Start/stop - Tilt up/down - Turn left/right - Auto turn on/off - Turn area setting |
| Throw | 45 – 50m |
| Water Flow | 20 – 60 LPM |
| Water Connection | Thread 1" BSP (DN25) |
| Required in Pressure | 2 – 10 bar (min flow of 60 LPM) |
| Water Quality | Potable / Non-Potable |
| Elevation, Electric | -10 / +50° |
| Automatic Turning System | 25° to 350° in steps of 25° |
| Turning area 350° | 350° |

| PART NUMBER | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| AQ45 | AQ45 Static 7.5 kW 400V 50Hz/480V 60Hz |
| AQ45RT-EU | AQ45 Rough Terrain Trailer with 5,000L (1,320 US Gallons) water tank & 20kVA generator, Stage 5 Europe |
| AQ45RT-US | AQ45 Rough Terrain Trailer with 5,000L (1,320 US Gallons) water tank & 20kVA generator, Tier 4 Final USA |
| AQWRC/X | Aquamist Wireless Remote Control (Only available as a factory fit option) |
| AQJET-BST-PUMP | Water Pressure Boost Pump |



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