



SOLUTIONS FOR
STATIONARY FIRE PROTECTION
SMALL DROPS, BIG IMPACT.



Stationary Fire Protection with Water Mist Turbine

The FT10E fire-fighting turbine represents a new generation of stationary fire-fighting equipment. It has a 360° operating range, applying water mist from a long distance with a high degree of accuracy. Water mist acts as an active cooling agent to extinguish a fire with less water. This makes the FT10E a unique, cutting-edge extinguishing system. The FT10E is also very easily integrated into existing systems.



THE KEY ADVANTAGES OF THE FT10E:

- > Fast extinguishing and effective cooling with water mist
- > Highly efficient gas precipitation
- > Water mist reaches hidden sources of fire
- > Tried, tested and proven effectiveness
- > Works with foam too
- > Different spray pattern options (water mist to full jet)
- > Water jet and mist simultaneously

AVAILABLE OPTIONAL ACCESSORIES FOR THE FT10E:

- > Different diaphragm valves (with/without heating function)
- > Wired control panel (remote keyboard)
- > Remote control
- > Different monitor types
- > Different nozzle heads
- > Activation either via CAN bus or 4 signal contacts

TYPICAL APPLICATIONS

Recycling centers, landfills, oil & gas, chemical industry, wood processing industry, substations, tunneling, aircraft hangars and large storage areas with high fire load

ELECTRICAL CHARACTERISTICS

Nominal voltage	V	400
Nominal current (max.)	A	29
Nominal power of largest motor (max.)	kW	12.5

DIMENSIONS

Length with transport frame	mm	1,928
Width with transport frame	mm	1,520
Height with transport frame	mm	1,947
Total height with transport frame	mm	2,230
Operating radius (turbine in horizontal position)	mm	1,035

WEIGHT

Turbine only (without base frame)	kg	680
Total weight with base frame (w/o accessories)	kg	1000

OIL HYDRAULIC SYSTEM

Hydraulic unit power	kW	0.75
Hydraulic unit operating pressure max.	bar	80
Hydraulic unit pump displacement volume	l/min	5.7
Rotation speed (spin) at 5.7 l/min	rpm	2
Hydraulic cylinder - lowering speed	m/sec	0.032
Hydraulic cylinder - lifting speed	m/sec	0.051

WATER HYDRAULIC SYSTEM

Operating pressure	bar	2 - 16
Flow rate at 16 bar	l/min	up to 4,200

OTHER INFORMATION

Propeller speed	rpm	2,910
Turbine incline	°	-25 to +43**
Swing	°	362
Turbine air flow rate (net)	m³/h	32,000
Turbine thrust (air only)	N	500
Turbine thrust, air and 2,000 l/min water	N	1500
Water connection - Camlock male	in	1x4"
Noise generated (@20 m distance)	dB(LA)	70
Operating temperature	°C	0 to +50

NOZZLES

Fixed nozzles - Quadrijet	pc.	20
Fixed nozzles - opening angle	°	50
Monitor water flow	l/min	2,400**
Nozzle ring water flow	l/min	1,700**
Max throw distance	m	105**

** Custom configuration

Small Drops, Large Throwing Distance.

OUR WATER MIST TURBINE

The water mist turbine combines all the previously mentioned advantages of water mist with the power of a turbine: it thus represents a new and innovative generation of firefighting. Its unique selling point: the water mist turbine is capable of atomizing large quantities of water and distributing it over a large area, yet with pinpoint accuracy – and all this at low water pressure.





More details
about our
customized
solution.

