EmiControls®

FT10E FIRE

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 effective 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.

DESEIN.IT
JANUARY 2022 – RESERVE TECHNICAL CHANGES



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)

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 loads

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	1,000

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 10 bar	l/min	up to 2,700*

OTHER INFORMATION

Propeller speed	rpm	2,910
Turbine incline	°	-19 to +43
Swing	°	362
Turbine air flow rate (net)	m^3/h	32,000
Turbine thrust (air only)	N	500
Turbine thrust, air and 2,000 l/min water	N	1,500
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

* Depending on configuration