

תשתיות אנרגיה בע"מ

MANUAL MONITOR

P ⁰	1/11/2024	Preliminary	E. Kaganowski	E. Kaganowski	
REV	DATE	DESCRIPTION	BY	CKD	APPROVED

Efi Kaganowski Engineering Ltd.
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Manual Monitor:

This document covers the technical requirements for manufacture, assembly, testing, supply and delivery manual monitors.

The units should be handling fluid as follow:

- Potable water.
- Foam

SITE CONDITIONS:

Site altitude is about 250 m' above sea level.

Ambient temperature varies between 0°C- 40°C.

Relative humidity varies between 45% - 85%.

Rain falls around 200 mm' / year.

TECHNICAL REQUEST:

Standards:

The monitors shall be manufactured, tested and delivered in accordance with the requirements of DNV (Det Norske Veritas) and Bureau Veritas.

General Requirements:

The monitors shall be designed to give optimum output of water or foam jet length as well as fog spread.

The monitors shall demand minimum of maintenance.

The monitor be fitted with bearings for horizontal and vertical movements and to reduce the operating force required.

The monitor shall be fitted with locking devices for the rotation and elevation.

The monitor shall be mounted upon metal construction 5m' above ground level

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Monitor Technical Requirements:

The monitors shall have flange connection.

End connections shall be according to ANSI B16.5, 150# RF.

Inlet flange:	6"
Water capacity:	~ 12,000 lit/min
Max working pressure:	16 bars.
Rotation:	360 degrees.
Elevation:	-60 ⁰ -70 ⁰ degrees travel.
Nozzle:	non air aspirating, jet. Spray and fog.
Material:	Brass.

Manufacturer Requirements:

The manufacture will be American or Western European only (including processing, assembly and testing).

TAG AND MARKING:

The monitors shall bear name plate made of stainless steel.

The plate thickness shall be 1.5 mm'.

The plate shall contain the following data:

- Manufacturer name.
- Equipment model.
- Manufacturer item number.
- Rating, sizing.

GENERAL TERMS:

In order to evaluate the tender's quotation, the following information must be given:

- Unit drawings.
- Accessories drawings.
- List of recommended spare parts with pricing
- Delivery date.
- **Experience: The vendor has supplied a least 10 similar monitors over the last 10 years to local companies (quote a list)**

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- **The vendor shall quote pressure loss diagram & Length/Height relationship diagram**
- Price for the offer.

GUARANTEE:

The vendor shall guarantee the monitors for a period of 18 months from the date of delivery. Faulty units will be replaced by air freighted replacement at no additional cost to the purchaser.

QUANTITY TABLE:

Item	Quant.	Note
1	6	12,000 lit/min monitor

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