

WATERMAKERS

MT-75, 100, 150 and 200 m³/24h



MT-200T SRH

Watermaker produces drinking water from sea water based upon the reverse osmosis membrane technique.

The capacities are 75, 100, 150 or 200 m³/24h from seawater (25° C).

The quality of the drinking water is continuously monitored by a salinity meter.

The design is ideal for simple service and maintenance.

The unit is suitable for:

- Drilling platforms
- Offshore rigs and accommodation platforms
- Commercial vessels
- Military vessels
- Resorts, hotels and communities
- Golf courses
- Livestock carrier



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	MT-75 T	MT-100 T	MT-150 T	MT-200 T
Capacity (m ³ /day)	75	100	150	200
Installed power HP (kW) (50 / 60Hz)	30	30	45	45
Installed power feed pump (kW) (50 / 60Hz)	2.2 - 4	2.2 - 4	2.2 - 4	2.2 - 4
Raw water flow (m ³ /h)	10.2	10.2	20.8	20.8
Membranes	4 pcs	6 pcs	8 pcs	12 pcs
Width (mm)	3000	3000	3000	3000
Depth (mm)	985	985	1400	1730
Height (mm)	~ 700	~ 900	~ 1200	~ 1550
Weight dry (kg)	~ 875	~ 1156	~ 1540	~ 2056

The capacity is calculated with a sea water temperature at 25°C and a TDS at 35 500ppm. The treated and produced water flow will decrease with lower temperature.

Standard

- High pressure plunger pump
- Continues control of the outgoing water quality, via a salinity meter and a dumping valve
- Automatic flush after each stop, via a carbon cartridge filter (neutralizing the chlorine)
- Low pressure switch before the high pressure pump
- Feed water particle filter (5 micron)
- Feed water pressure gauge
- Safety valves
- Flow meter for production flow
- All electrical equipment minimum IP54
- Low pressure switch on the suction side of the high pressure pump
- Level switch in water tank can be connected for start and stop

Optional Equipment

- CIP cleaning tank
- Remote control
- Re-hardening filter in stainless steel, to increase pH
- UV sterilizer
- Dosing equipment for chlorine, anti-scalant or chlorine removal
- Prefiltration sand filters
- Spare parts and consumables package
- Portable conductivity meter and pH meter



Sandfilter SA-1000
Thermoplastic coated vessel
Automatic back flushing



Re-hardening filter NM-310 RO
Stainless steel, AISI 316L
Manual back flushing

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