



**HATENBOERWATER**

*Fresh in water since 1906.*

## Tethys RO type fresh water generators Seawater desalination systems

Hatenboer-Water designs and develops durable reverse osmosis units for any type of vessel or offshore structure. Easy to install, operate and maintain, these solutions can be delivered in a customized or standard set-up.

### Standard

The standard series offer a plug & play, economical and quickly supplied alternative to traditional solutions. Units can be rented out to your facilities for a short or longterm period.

### Application

The Tethys series covers a range of 3-6 m<sup>3</sup> per day fresh water production from seawater with any level of salinity. Due to its robust yet compact format, Tethys provides the perfect solution for unmanned platforms, short sea or fishing vessels, patrol boats, tugs, barges and so on.



### Standard equipment

- Touch screen Hatেনboer-Water X7-microcontroller
- Membrane configuration can accommodate varying levels seawater salinities and temperatures
- 3 years free of charge 'log sheet data support'
- Continuous monitoring of permeate quality
- X7-microcontroller for remote monitoring.

### Key specifications

Seawater TDS design	35000 ppm
Design seawater temperature	15°C
Produced water quality	< 500 ppm @ 25°C

### Features

Series	DTS40-1	DTS40-2
Capacity	3 m <sup>3</sup> per day	6 m <sup>3</sup> per day
Installed power HP pump	3 kW	3 kW
Seawater feed flow (50 Hz / 60 Hz)	0.78 / 0.96 m <sup>3</sup> /h	0.96 m <sup>3</sup> /h
Dimensions (LxWxH)	1264 x 475 x 840 mm	1264 x 475 x 840 mm
Weight (dry /operating)	105 kg / 120 kg	120 kg / 140 kg

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# Tethys RO type fresh water generators

## Seawater desalination systems

### Modular

The Tethys RO series is set up modularly. Different options are available to suit your requirements:

- Multimedia filter (automatically operated)
- Clean in Place (CIP) system for extension of membrane lifespan
- Hadex® disinfectant dosing unit for chlorination of RO permeate
- Neutralising filter for post-treatment RO permeate.

### Compact design

- Compact and robust ridged steel frame for easy installation
- Duplex stainless steel high pressure manifolds for long life time
- Slow running high pressure pump for long life time and minimal down time.

### Standards and guidelines

#### Electrical

- IEC 61892-1 – 61892-7
- IEC 60092-350
- IEC 60092-351
- IEC 60092-353
- IEC 60228, class 2 & 5

#### Directives and guidelines

- MLC, 2006
- Machinery safety (2006/42/EC)
- EMC directive (2004/108/EC)
- Low voltage directive (2006/95/EC)
- Pressure Equipment Directive (97/23/EG)



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