



POSEIDON FIT

Bilge Oil Water Separator

Our industry standard bilge oil water separator, certified for 5PPM. Redefining simplicity with automated operation. Certified by IMO RES, MEPC. 107 (49).

Defining environmental protection since 1977
Over 5000 installations. An unrivalled global network.



Quality

- Reliable operation
- Pressure type that fits all new-building designs
- Military applications version available



Efficiency

- Product lifetime cycle
- Plug and Play installation
- Minimum maintenance



Sustainability

- Minimum production footprint
- Maximum utilisation of separated oil
- Protecting sensitive marine coastal ecosystems



Safety

- No chemicals
- Self-cleaning through backwash
- Fully automatic unattended operation



NAVY

YACHTS

CARGO SHIPS

Description

POSEIDON FIT Bilge Oil Water Separator consists of two stages; the coalescer and the emulsion breaking unit. In first stage the oil separation is carried out inside the bigger cylinder via a combined gravity separation and coalescence process. The second stage is used only when the oil detection monitor detects the effluent of the coalescer oil content is higher than 4/14ppm. The emulsion breaking unit then begins its operation.

Due to an effective hydrocarbon absorption material, the effluent of 5ppm or less is ensured, according to the new Environmental Class Notations. This way, the operation and maintenance cost is minimised and the life of the equipment is prolonged.

POSEIDON FIT's AI features offer an enhanced level of control over unauthorised or accidental discharges of untreated bilge water, with the use of data recording software that continuously monitors all vital information. Gathered data such as overboard flow, oil content, vessel position and current time, are securely stored and easily accessible by the owner, the crew or the port authorities during inspection. The OWS status and operation are evaluated in real time, with alarms and notifications thus preventing illicit discharges.

Product Range

Models	Dimensions	AI Features
POSEIDON FIT 0,25 m³/h	830 x 400 x 918	✓
POSEIDON FIT 0,50 m³/h	830 x 400 x 918	✓
POSEIDON FIT 1,0 m³/h	1100 x 860 x 1260	✓
POSEIDON FIT 2,0 m³/h	1450 x 860 x 1575	✓
POSEIDON FIT 5,0 m³/h	1660 x 870 x 1541	✓
POSEIDON FIT 7,5 m³/h	1660 x 870 x 1541	✓
POSEIDON FIT 10,9 m³/h	1700 x 870 x 1945	✓

AI FEATURES ON POSEIDON FIT

Artificial Intelligence Monitoring & Control

- Advance data analysis
- AI predicted notification alarms
- AI predicted maintenance messages

Distance Monitoring

- All signals
- Bilge water overflow measurement (instant/total)

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