



PureteQ

THE SCRUBBER MAKER

PRODUCT SPECIFICATION

WMS013

Marine Water Monitoring System

SIMPLIFIED EGCS AND EGR MONITORING

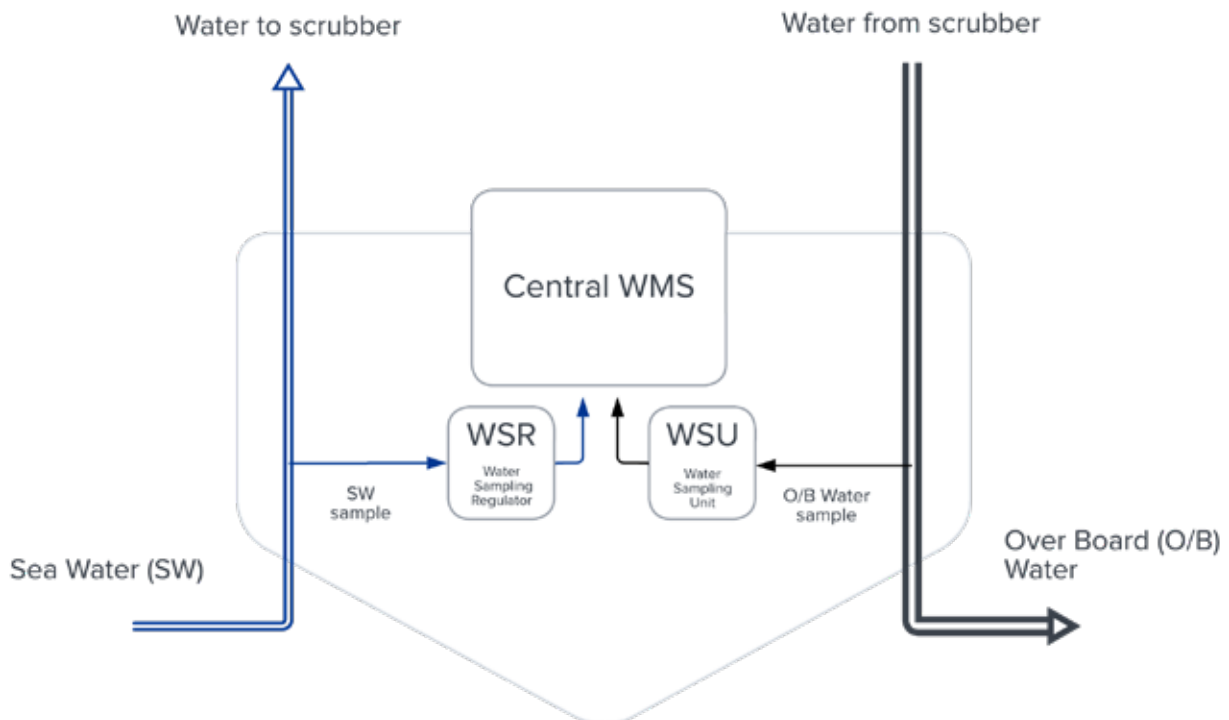
The **PureteQ WMS013 Water Monitoring System** is compliant to the MEPC 259 (68) and MEPC 340 (77), and is designed for simple installation and operation with only one central monitoring cabinet, reducing sensor maintenance costs significantly.

Central sampling

- 1 central cabinet, with PH, temperature, turbidity, PAH and flow sensors, receiving sample water from up to 3 sources
- Direct sensor value read-out for sea-water inlet and scrubber overboard water
- The central sampling results in highest accuracy and robustness of monitoring

Features

- 1 central set of sensors for lowest service cost and highest delta value precision
- Remote access for service and compliance assistance
- PureteQ control systems and related software ease retrofitting to existing EGC systems



PureteQ WMS013 cabinet including user-friendly control system with software enabling retrofit to existing EGC systems. The 7" touch screen on control box displaying PH, turbidity, PAH, flow and temperature.

WMS013 calibration kit.



PURETEQ WMS013 - DETAILS

KEY SPECIFICATIONS

Sampling	Up to 3 inlets Internal valves
pH/temperature	Up to 3 sensors
Turbidity	1 central sensor
PAH	1 central sensor
Flow	1 central sensor
Calibration	On screen guide

FUNCTIONAL CHARACTERISTICS

pH	Range: 0 - 14 Accuracy: $\pm 0,2$
Temperature	Range: 0 - 45 °C Accuracy: $\pm 0,5$ °C
Turbidity	Range: 0 - 400 NTU Accuracy: $\pm 5\% + 0,5$ NTU
PAH	Range: 0-80/800 ug/L Accuracy: $\pm 5\%$ of value 0 - 150 PPM detection
Calibration	Dry-calibration blocks, or liquid verification

INSTALLATION & DIMENSIONS

Cabinet	Stainless cabinet Spring mounting support 800 x 800 x 300 89 kg
Safety	Emergency breaker Remote resetting
Power supply	3 x 380 480V 50/60 Hz

AMBIENT CONDITIONS

Sample flow	5 - 15 l/min Max. 3 bar abs Temp.: 0 - 45 °C
Pre-filtration	< 1 mm
Temperature	0 - 55 °C
Humidity	10 - 100%

INTERFACE

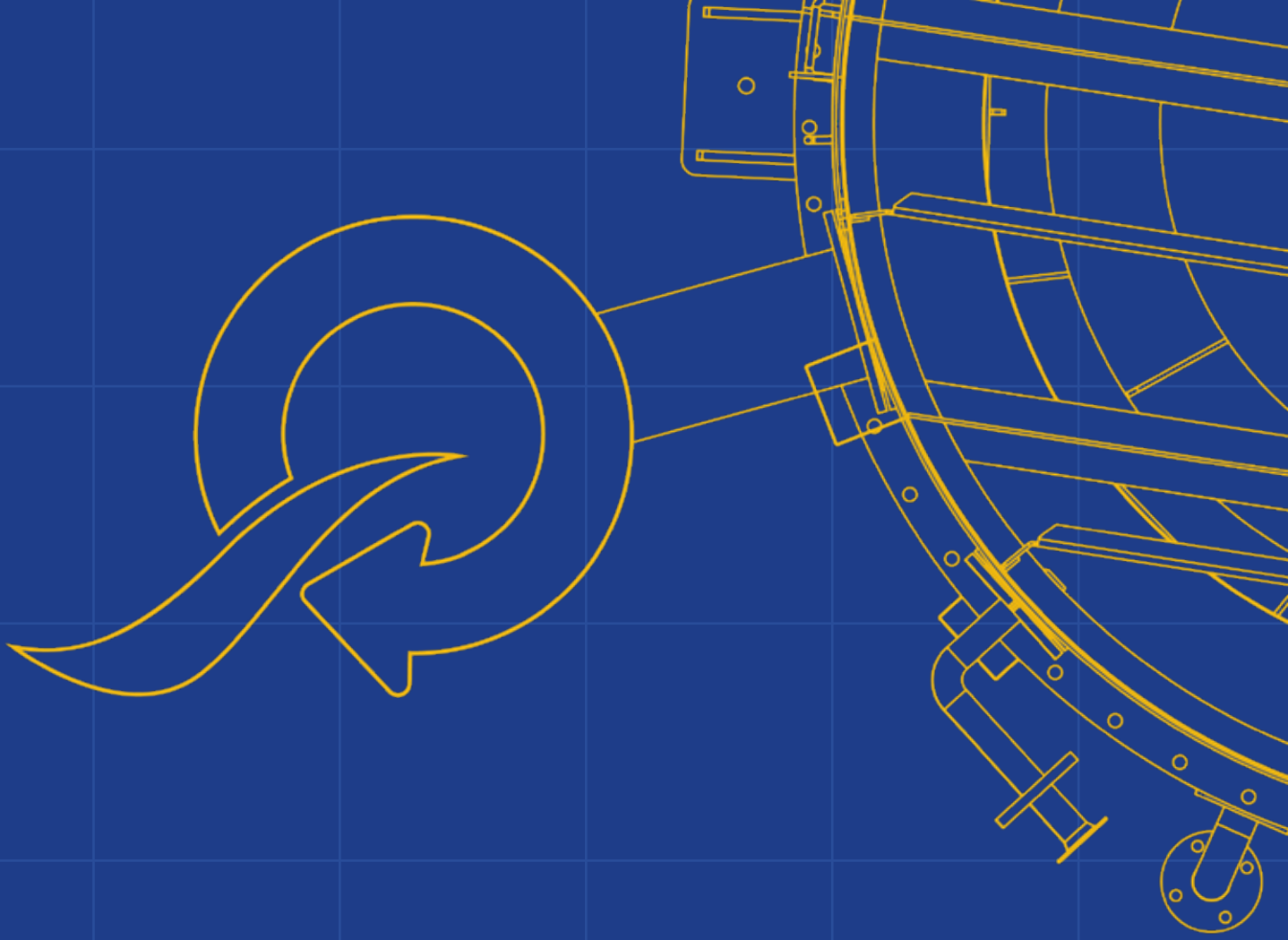
Screen	7" color touch
Communication	Modbus TCP
Pump control	Up to 3 units
Remote access	Full data and service access (if network)
Alarms	Local alarm handling possible

REGULATIONS & CLASS

IMO compliance	MEPC 259 [68] MEPC 340 [77] MEPC 307 [EGR]
Type approval	Bureau Veritas ClassNK

OPTIONAL EQUIPMENT

- Internet remote access
- Sample water supply units
- PureteQ calibration kits



PureteQ A/S

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