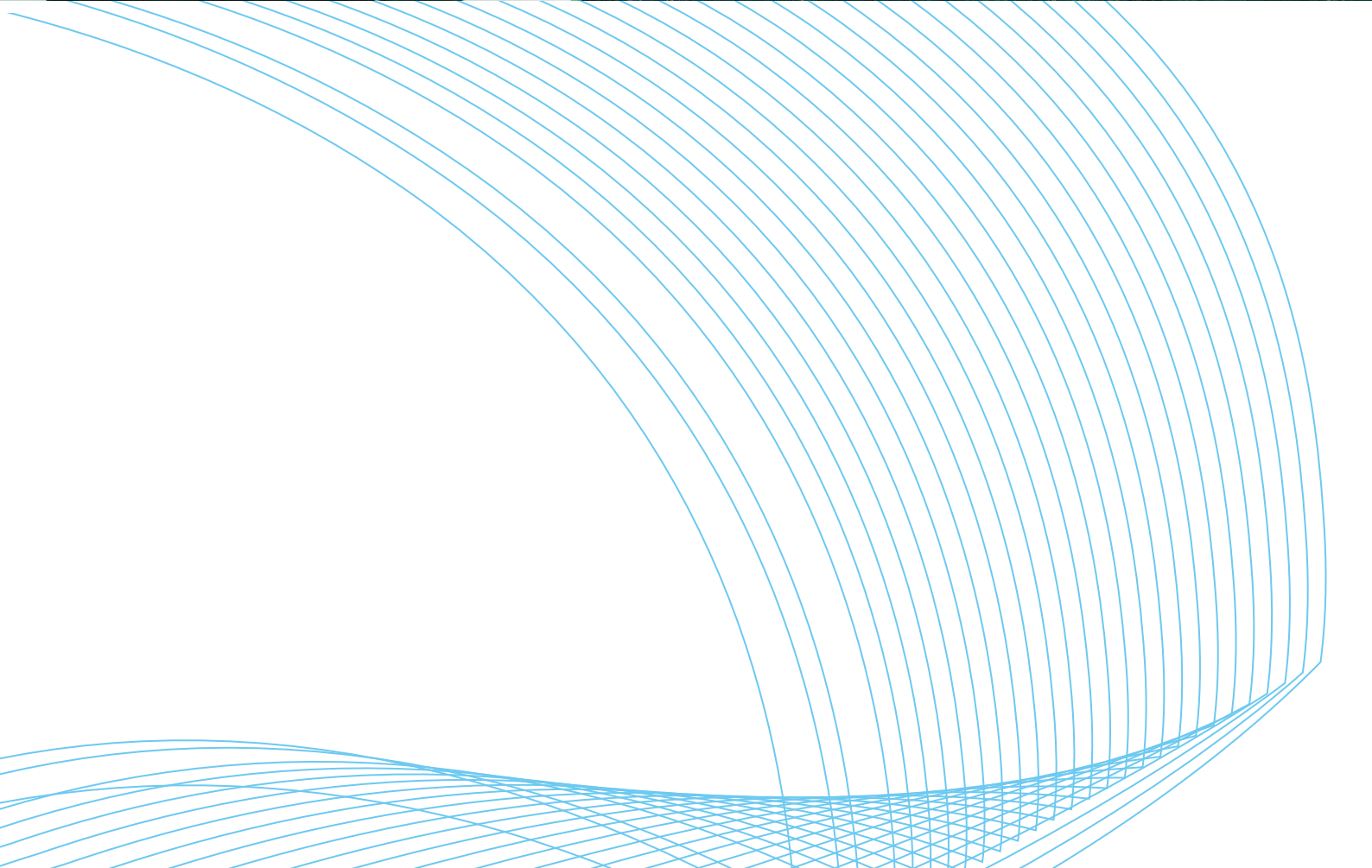




G6100 WATER MONITORING SYSTEM

MONITOR PAH, TURBIDITY & pH/TEMPERATURE
SIMPLE, RELIABLE & ACCURATE



A FULLY COMPLIANT SOLUTION



KEY FEATURES

- **Fully compliant with MEPC. 259(68), replacing MEPC. 184(59)**
- **Used on open, closed and hybrid systems**
- **Real on-site verification/calibration**
- **Cover a broad temperature, pressure & flow ranges**
- **Easy plug 'n' measure**
- **Durable & robust design**
- **Easy operation - minimum maintenance**

APPROVALS AND CERTIFICATES

- **DNV - GL type approval**
- **Bureau Veritas & Rina Marine type approvals**
- **Lloyd's Register type approval**
- **KR & NK type approvals**
- **CCS type approval**
- **ABS product design assessment certificate**



TOTAL WATER MONITORING

Green Instruments offers a continuous water monitoring system. As a standard configuration, the G6100 Water Monitoring System consists of PAH, turbidity and pH/temperature sensor modules.

The Water Monitoring System can be configured with an optional sampling unit (either a pump cabinet or a pressure reduction cabinet) depending on the location of the Water Monitoring System. The sampling unit includes a de-bubbler, which avoids interference due to the sample degassing.

A water monitoring solution normally includes the monitoring systems at both the inlet and outlet of the scrubber. There are also optional system setups which include the standard parameters and other required parameters such as water density upon specific monitoring requirements.

SIMPLE INSTALLATION

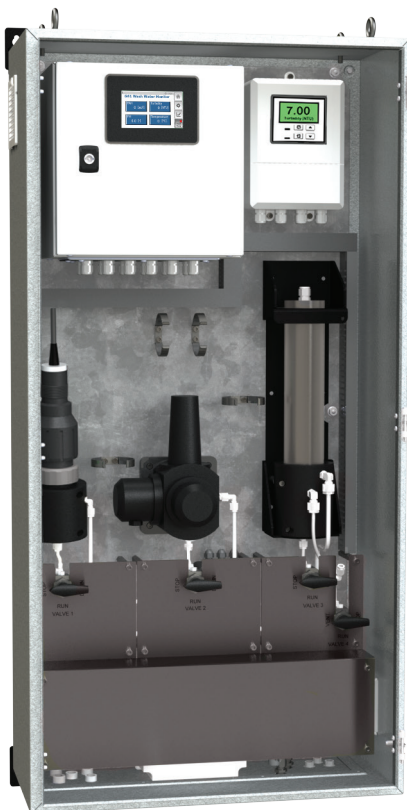
The G6100 Water Monitoring System can be freely integrated into any exhaust gas cleaning system due to its modularity design. Besides, the sampling units are specially designed for a broad pressure range of the water, thus offering a true Plug 'n' measure installation.

ON-SITE VERIFICATION



RELIABLE & EASY OPERATION

The G6100 Water Monitoring System provides reliable and highly accurate measurements. All sensor modules can be verified and/or calibrated on-site using certified standards. The procedure is simple and can be carried out easily. This is the most superior feature of the G6100. There are verification/calibration kits designed specifically for the G6100 Water Monitoring Systems in different ranges.



LOW MAINTENANCE

Minimum maintenance is required due to the cleaning effect achieved from the high water velocity. This helps to keep the optical parts free from fouling in long time, thus being able to hold a long service interval.

FULL IMO COMPLIANCE

The G6100 Water Monitoring System is fully compliant with IMO regulations, which are MEPC.184(59) and later MEPC.259(68) - Guidelines for Exhaust Gas Cleaning System including requirements of water monitoring. The system has achieved DNV-GL, BV, Lloyd's Register, Rina Marine, Korean Register, Nippon Kyokai & CCS Type Approvals and ABS Product Design Assessment Certificate.

SPECIFICATIONS - G6100

WATER MONITORING SYSTEM (WM)

Power supply	200 - 250 VAC 50/60 Hz
Ambient temperature	0 - 55 °C
Display	4" TFT LCD color display
External communication	MODBUS TCP/IP
Enclosure & Material	Class B (IP54) AISI 1008 Painted
Sample flow consumption	2 - 6 l/m (Integrated flow switch detects sample flow)
Sample temperature	0 - 50 °C
PAH range	0 - 100 µg/l phenanthrene equivalence 0 - 800 µg/l phenanthrene equivalence 0 - 100/800 µg/l phenanthrene equivalence
PAH accuracy	Max ±5 % of range
Turbidity range	0 - 400 NTU
Turbidity accuracy	Max ±3 % of full scale
pH/Temperature range	0 - 14 pH units; 0 - 50 °C
pH accuracy	Max ±2 % of full scale

PRESSURE REDUCTION CABINET (WMR) - OPTIONAL

Power supply	Power supplied from the WM
Equipment	Filter, pressure reducing valve, relief valve, On/Off valve, flow regulating valve, debubbler and manometer
Enclosure	AISI 304 Painted (upon request)

PUMP CABINET (WMP) - OPTIONAL

Power supply	Power supplied from the WM
Equipment	Filter, flow regulating valve, pump, debubbler and manometer
Enclosure	Polycarbonate AISI 304 Painted (upon request)

Specifications subject to changes without notice

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