



Data Sheet

MES1003 - Washwater Monitoring System for Scrubber Applications – Prod. no. 100600

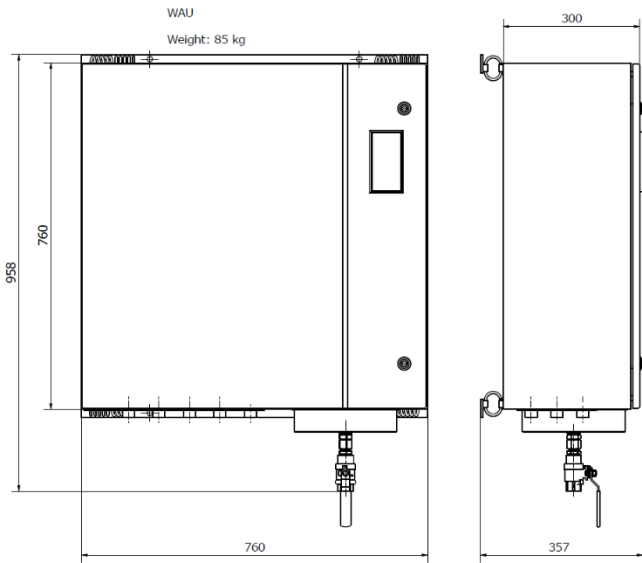
Key benefits

- Compliant with MEPC.259(68)
- Easy installation
- Easy operation
- Easy maintenance
- Easy connection to ship- and EGCS management systems
- Customization possible to fit application needs

Functionality

- Standalone system
- Same set of sensors measure sample water from various places on the EGCS
- Log functionality that logs various events like warnings, errors, system status and measurement values
- Display for local access

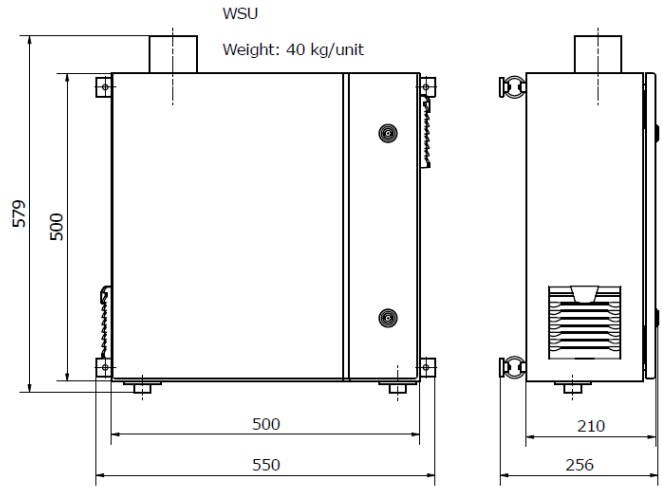
Washwater Analyzer Unit (WAU)



Front view

Side view

Washwater Sample Unit (WSU)



Front view

Side view

All dimensions are in mm.

Specification

Prod. no. 100600

Parameter	Description
General	
Application	Washwater Monitoring System
Mounting	DN15 - G1/2", DN65, 2 1/2"
Location	Scrubber
Measuring range	
pH	0 – 14 pH
Temperature	0 – 80 °C
Turbidity	0 – 1000 FNU
PAHphe (phenanthrene equivalent)	0 – 80 µg/l or 0-800 µg/l
Sample water	
Temperature	0 – 40 °C
Input pressure	0 – 1 bar(g)
Required flow	Minimum 6 l/min
Output max. lifting height	1.3 bar
Environmental	
Operating ambient temp.	0-55 °C
Ingress protection	IP54
Inputs and outputs	
Power (WAU)	24 VDC
Ethernet (WAU)	Modbus TCP/IP
Power (WSU)	3 phase 440 VAC

Parameter	Description
Power	
Power supply (WAU)	24 VDC ± 25 %
Power supply (WSU)	3 phase 440 VAC ± 10 %
Frequency	47 - 63 Hz
Power consumption (WAU)	Max. 150 W
Power consumption (WSU)	180 W per WSU
Dimensions	
Washwater Analyzer unit	
Size (H x W x D)	760 x 760 x 300 mm
Weight	85 kg
Washwater Sample Unit	
Size (H x W x D)	500 x 500 x 210 mm
Weight	40 kg
Approvals	
Marine type approvals	KR, Class NK, DNV-GL, BV, ABS

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