



Data Sheet

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

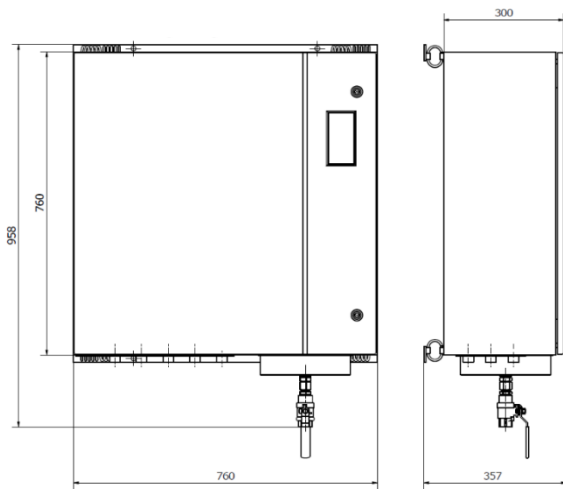
Key benefits

- Compliant with MEPC.340(77)
- Easy installation
- Easy operation
- Easy maintenance
- Easy connection to EGCS management system
- Customization possible to fit application needs, e.g. pump unit (WSU) or pressure reduction unit (WSR)

Functionality

- Standalone system
- Log functionality that logs various events like warnings, errors, system status and measurement values
- Display for local access

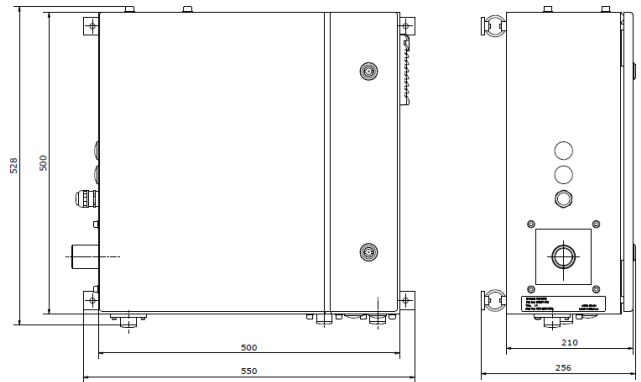
Washwater Analyzer Unit (WAU)



Front view

Side view

Sample Unit w. external pump (WSU)
Sample Unit w. pressure reduction (WSR)



Front view

Side view

All dimensions are in mm.

Specification

Prod. no. 100600

Parameter	Description
General	
Application	Washwater Monitoring System
WSU/WSR Interface	1 Inch BSPP (G) Female
Location/application	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 (WSU)	0 – 1 bar(g)
Input pressure (WSR)	Typ. 1 – 4 bar(g), max 8 bar(g)
Required flow for WAU	Min. 6 l/min
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
Power (WSR)	No power required, passive unit

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 II
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	LR, DNV-GL

Important note: Please consult our sales department for application details like water lifting height, flow rates, scrubber type and PAH sensor range before ordering.

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