

# Crew instruction

## WMU ScrubberGuard



Dear Crew,

In case the ScrubberGuard is not running as it should you can follow this instruction for Troubleshooting. Please notice these brief instructions to get the instrument up and running again fast.

**Important** operating conditions:

Inflow to the ScrubberGuard	<b>4-20</b>	<b>L/min.</b>
Inflow pressure	<b>0-3</b>	<b>bar</b>
Outflow backpressure	<b>3</b>	<b>bar max.</b>

### Control elements

- 1- Main switch
- 2- Remote signal – remotely controlled when lit up
- 3- Measurement ON / OFF
- 4- Loop Spiking mode – internal circulation only
- 5- Drain tank – activates drain pump with hold



### Common issues – check first

**Operating conditions** – are outside of the ranges above, please verify and adjust.

**Water problems** – countermeasures:

- Perform the **monthly check** as described in the manual.
- Check correct **functioning of the tank level sensor** (2<sup>nd</sup> page).
- Verify that **nothing is clogged**.
- Check the water pumps.

**Flashing button** – A flashing button means fault. To reset the fault, push the flashing button. Only one button at the time can be active. If the button doesn't react and is flashing, then the control mode is probably set to external/remote. That means the system is controlled remotely. Turn off the external control or navigate to: **Menu/Ok/Local/Scrubber/Scrubber** on the right-hand side instrument (AquaScat) to set the control to Local. Restart the instrument.



### Nominal values –

Are the nominal values correct?  
The flow A1 and A2 through the measuring instruments must be 6L/min.  
The flow In C8 must be set to 4L/min.  
A2 must be zero when no oil measurement is present.

Status code – the status code can help you to find the problem, you'll find the meaning of the code in the reference handbook

## Documentation – help yourself

A folder that contains the manuals comes with every WMU. The manuals are also available online. Take time to study the manuals and get familiar with the instrument.

## Support – detailed information

To give you support in the best way the following information are necessary:

- Serial number of the ScrubberGuard (ex. 297001)
- Fault message on the display
- Status code **Menu/OK/Local/Scrubber** (picture above)
- Detailed pictures with a good quality/resolution
- Detailed description of the situation and problem
- Detailed description of the measures already taken

### Check function of tank level sensor:

1. Drain tank
2. Navigate to: **Menu/OK/Local/Scrubber**
3. Fill up the tank, observe the L value

Does the L value in % increase when the tank level rises?

4. In case the level is not correct please perform a level sensor adjustment:

Fill the tank 100%, navigate to **Menu/645066OK/Local/Scrubber/Scrubber** and press **initiate...**

Menu\Scrubber		Lokal 1/1	
	Soll	Ist	
A1 Flow Tu	6.0	0.0	●
A2 Flow Oi	6.0	0.0	●
K8 Flow In	4.0	0.0	●
Scrubber	V:0%	L:036	●
	S:0	0.3m <sup>3</sup> /h	

Mess Menu ESC

