

Troubleshooting for other components

V. Cause and Action for alarm/trip relating to Valve, Flowmeter, etc.

c. FLOW RATE LOW / LOW-LOW

FOR VERTICAL INSTALLATION :

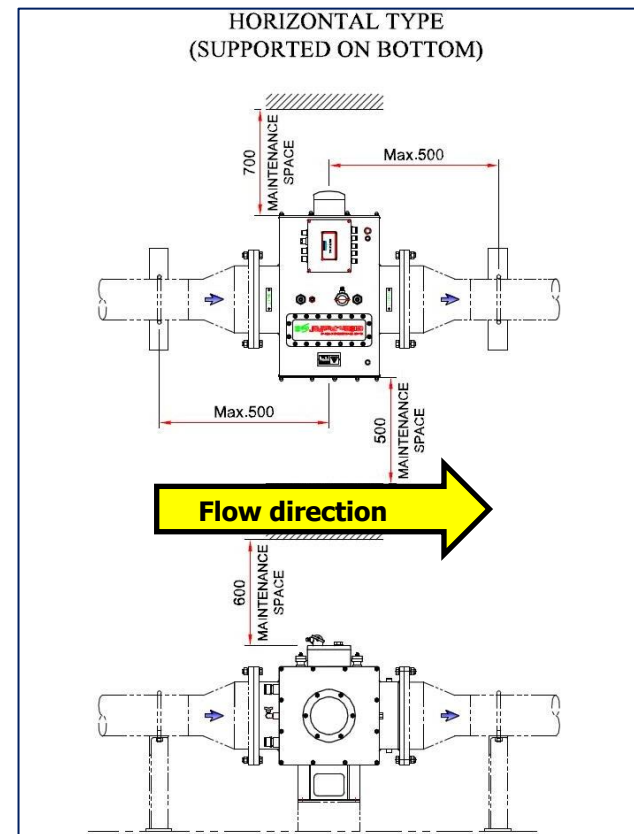
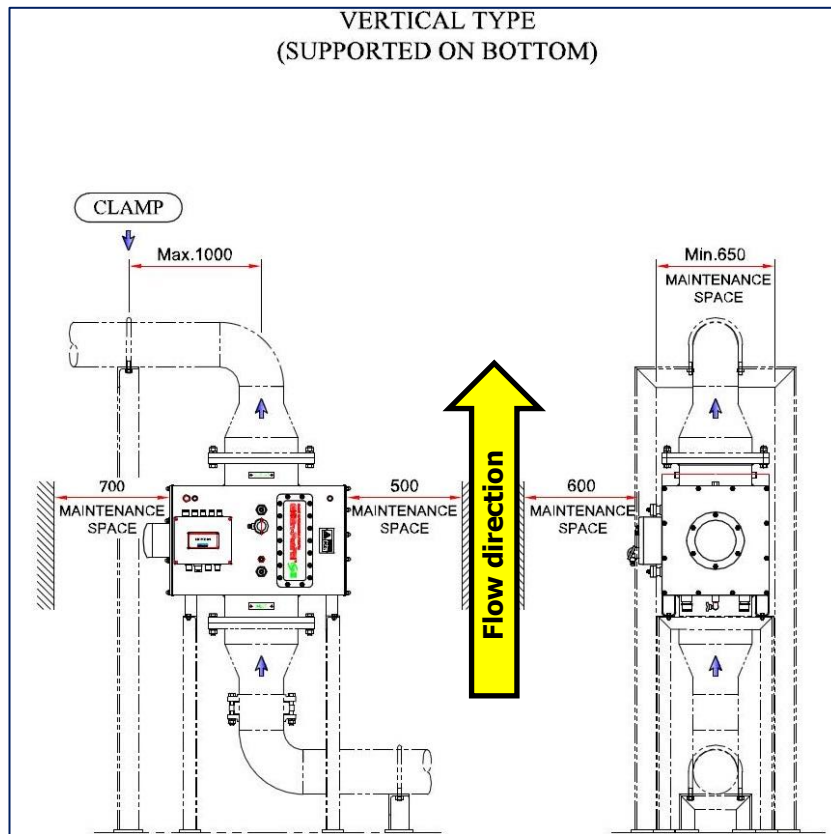
Alarm indicates that flow is below 20~30% of UV unit capacity for longer than 50 seconds.

Trip indicates that flow is below 10% of pump UV unit for longer than 50~60 seconds.

FOR HORIZONTAL INSTALLATION :

Alarm indicates that flow is below 40~50% of UV unit capacity for longer than 50 seconds.

Trip indicates that flow is below 20~30% of UV unit capacity for longer than 60 seconds.



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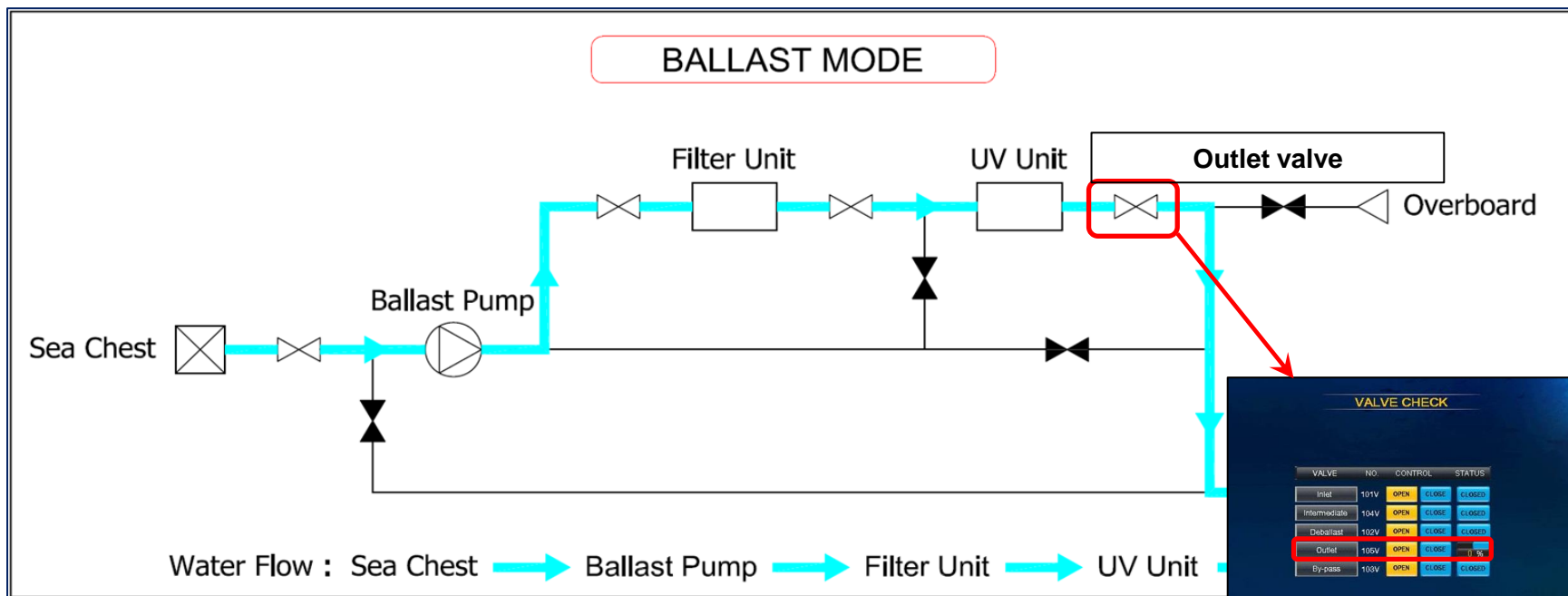
c. FLOW RATE LOW / LOW-LOW

Cause ① : Wrong position of Outlet valve

/ Cause ② : Malfunctioning Outlet valve

Action 1

Action 2



Check the position of Outlet valve

Check the function of the outlet valve manually in the 'Check Mode' by changing the Select Switch from 'Normal' to 'Check' on the BWMS control panel.

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Cause ① : Wrong position of Outlet valve

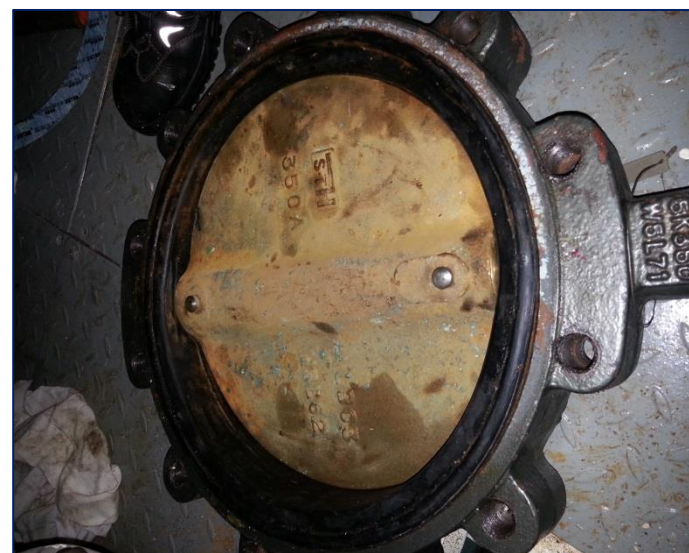
/ Cause ② : Malfunctioning Outlet valve

Action 3

Actuator



Valve



Check the condition of Actuator and Valve

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Cause ③ : Malfunctioning of the Flowmeter

Action 1



Check if the Flowrate are the same between Flowmeter display and the BWMS Monitor.

Action 2



Check the electric current in the stopped state using Multi-meter.

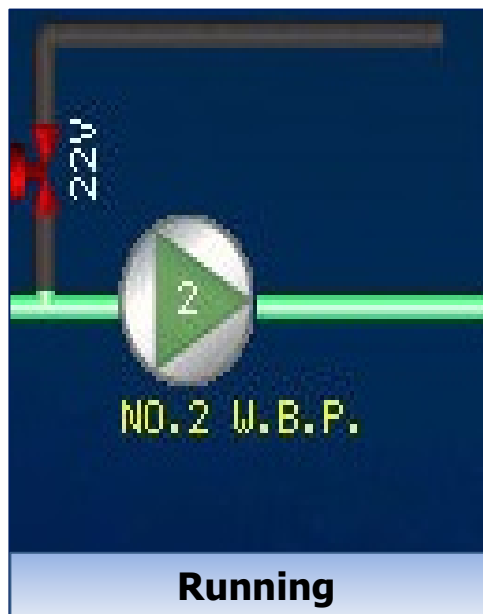
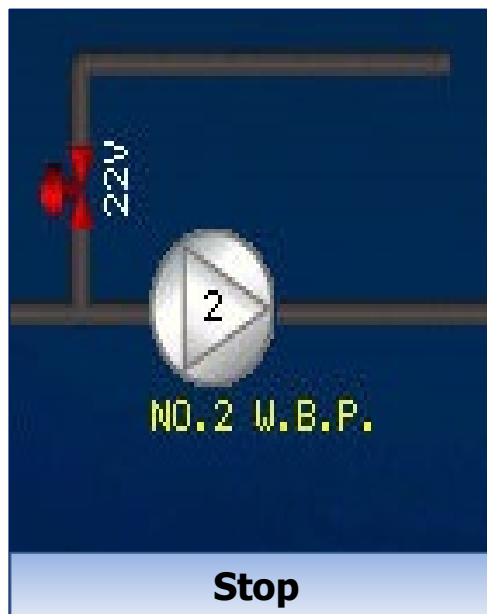
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Cause ④ : Ballast pump failure

Action 1



Verify the Pump is working properly and check the flow rate

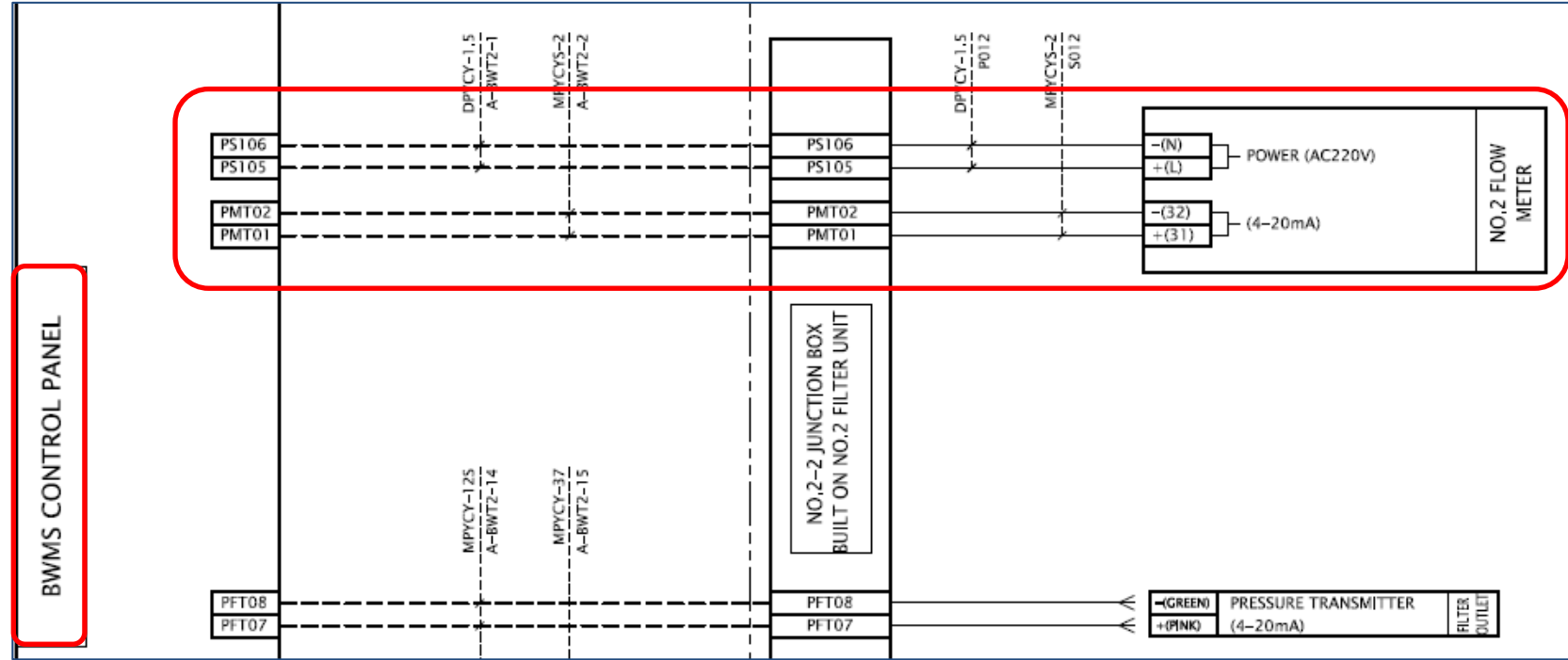
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Cause ⑤ : Poor or no wire connection

Action 1



Check if all the electric wires are connected and tightened properly according to the electric drawings.