

Troubleshooting for UV unit

V. Cause and Action for alarm/trip relating to UV chamber(unit)

B. UV CHAMBER INSIDE TEMP. HIGH/HIGH-HIGH

Alarm indicates that the water temperature inside the UV Chamber has exceeded alarm Set Point. (Default = 50 °C)

Trip indicates that the water temperature inside the UV Chamber has exceeded trip Set Point. (Default = 60 °C)

Cause	Description	Action
1	Malfunctioning Vent Valve (Only for Horizontal Installation of UV Unit)	4
2	Insufficient Flow Rate	3
3	Malfunctioning Temperature Transmitter	1
4	Poor or no wire connection to the Temperature Transmitter	1

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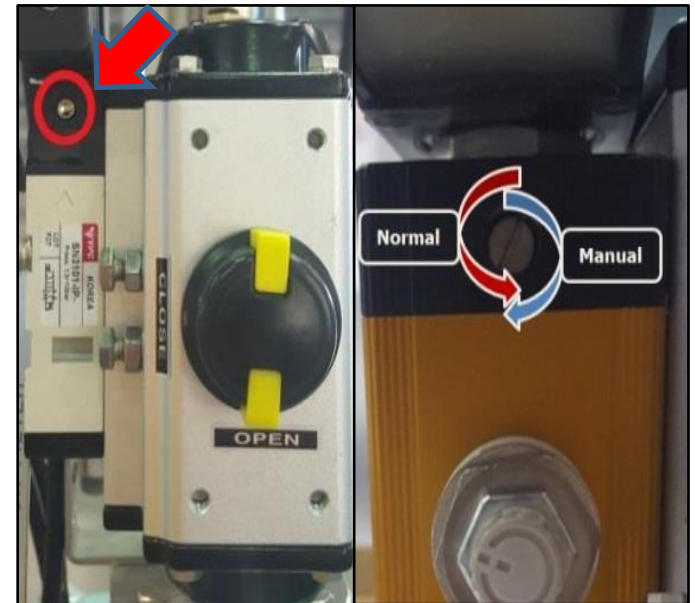
Cause 1: Malfunctioning Vent Valve(Only for Horizontal Installation of UV Unit)

Action 1



Compressed air pressure should be at least 4kg/cm²

Action 2



[NON EX-PROOF TYPE] [EX-PROOF TYPE]

Push the manual operation button by hand

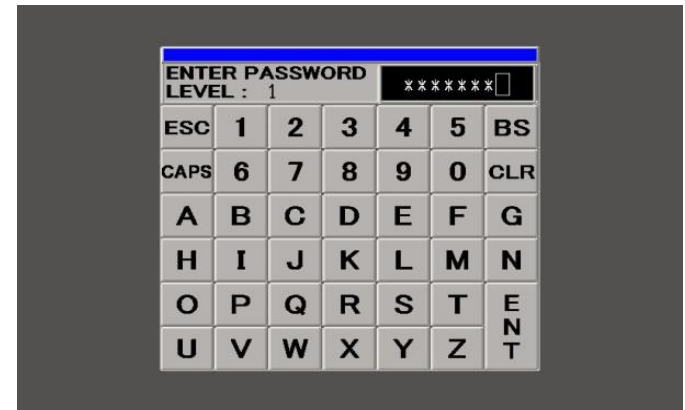
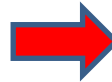
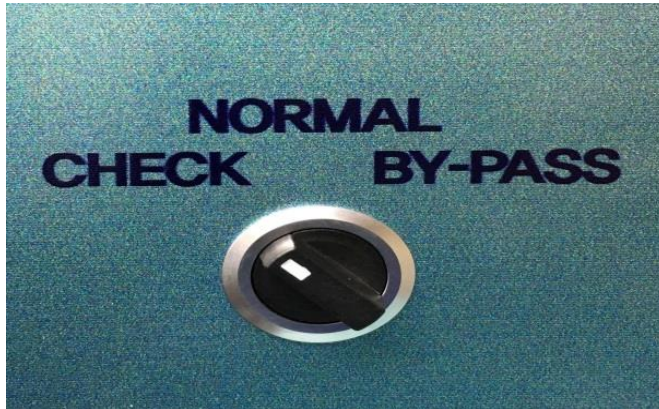
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Action 3



1. Change check mode
2. Input the P/W '1111111' ('1' Seven times)
3. Click the button(Open/Close)



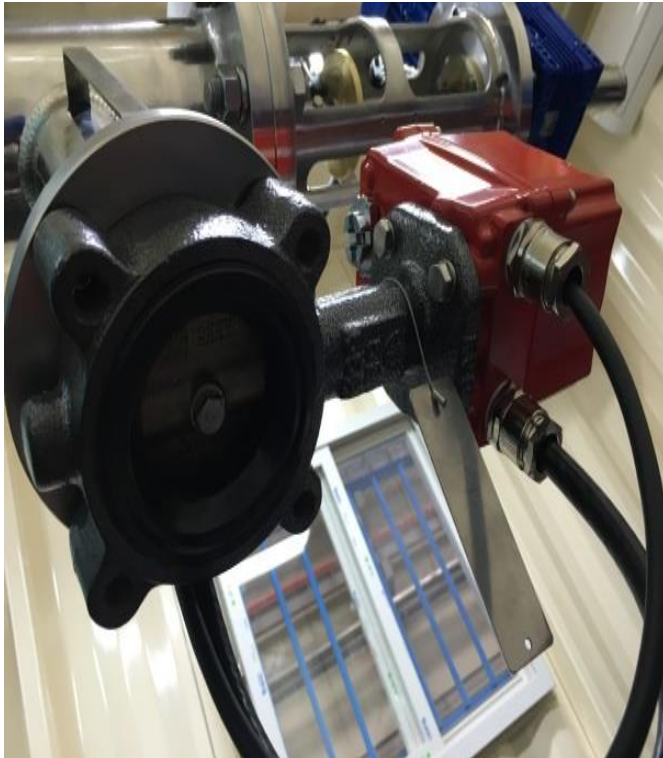
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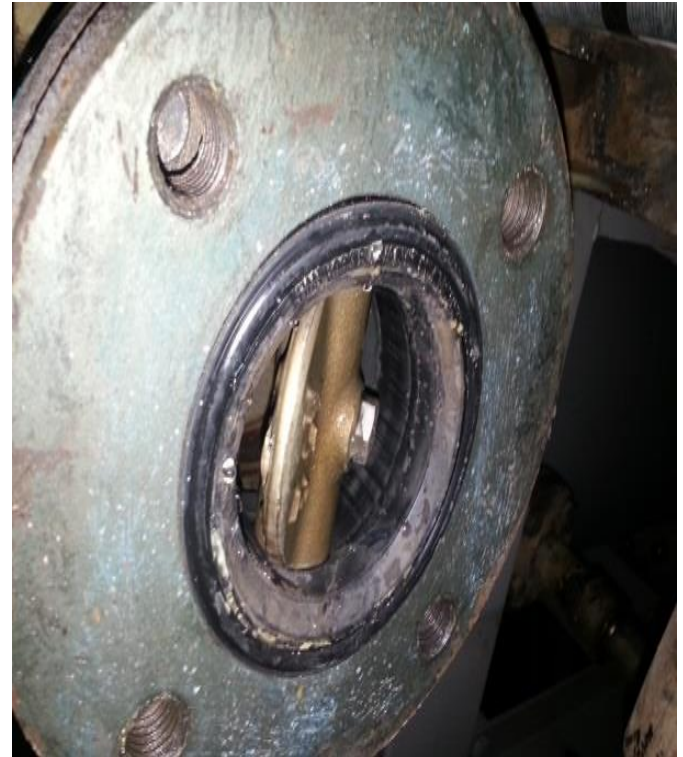
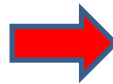
B. UV CHAMBER INSIDE TEMP. HIGH/HIGH-HIGH

Cause 1: Malfunctioning Vent Valve(Only for Horizontal Installation of UV Unit)

Action 4



If the disc, seat and/or shaft inside are jammed or damaged,



Separate the Actuator from Butterfly Valve

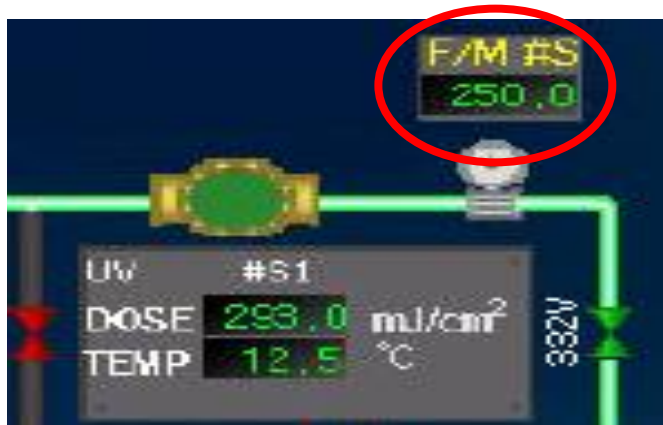
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Cause 2: Insufficient flow rate

Action 1



1. Check flow rate during operation (UV lamps are ON)
2. Check flow rate in Flowmeter within specification

Action 2



Action 3



[SEE <Cause and Troubleshooting / Action> of the 'FLOW RATE LOW' alarm].

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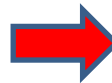
B. UV CHAMBER INSIDE TEMP. HIGH/HIGH-HIGH

Cause 3: Malfunctioning Temperature Transmitter

Action 1



Dismantle Temp. Transmitter and Measure electric current



Signal (4~20mA)	Temperature (0~100°C)	Ohms (Ω)
4	0	100
8	25	109.35
12	50	119.4
16	75	128.99
20	100	138.51

If the current measured does not match the table, transmitter to be replaced.

