

Trouble shooting for Filter unit

IV. Cause and action for alarm/trip relating to filter unit

D. FILTER CYCLE TIME OVER

Alarm indicates that forwarding and reversing of the Back-flushing motor are not completed within the set time.
(Set Value : 53 sec)

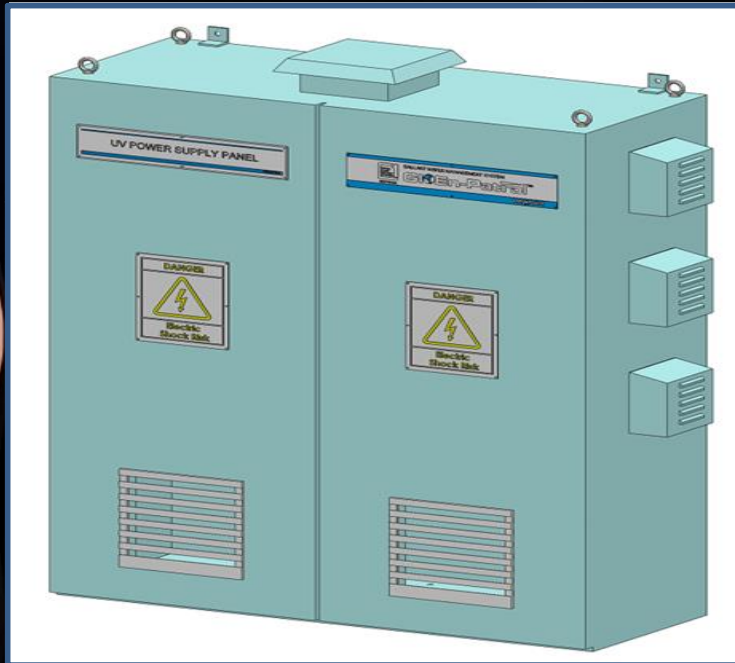
Cause	Description	Action
1	Loss of power for 'Pressure Transmitter/Motor/Solenoid'	5
2	Faulty Limit Switches in the Limit Switch Box	3
3	Back-flushing Motor failure	1

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Cause ① : Loss of power for 'Pressure Transmitter/Motor/Solenoid'



● ● ACTION 1

Check if the circuit breaker switches in the UV power supply panel are turned on.

● ● ACTION 2

Measure if power supply voltage (440V) of the circuit breaker switch is properly supplied.

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Cause ① : Loss of power for 'Pressure Transmitter/Motor/Solenoid'



●● ACTION 3

Check power supply to the UV power supply panel from 'MSBD' (Main Switch Board) in the ECR (Engine Control Room).

●● ACTION 4

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

●● ACTION 5

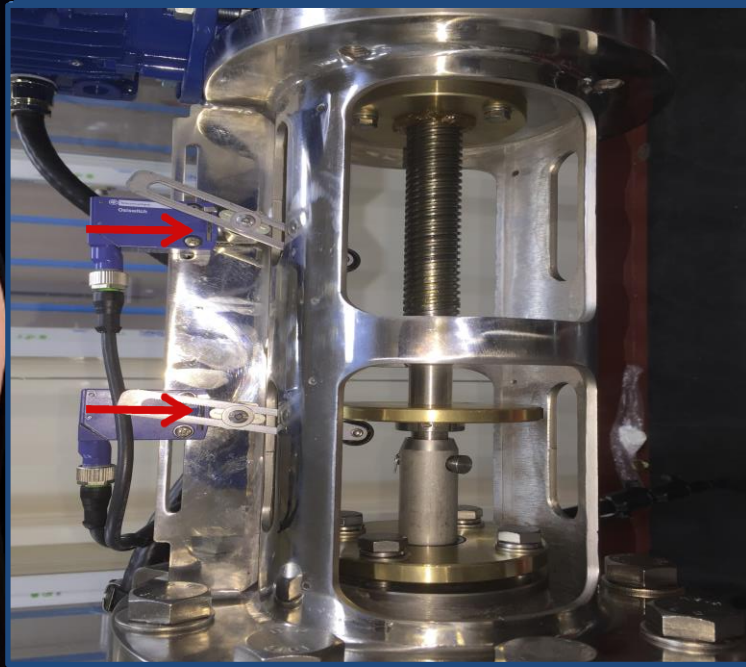
Verify all wires are properly terminated by checking resistance with a Multi-Tester.

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Cause ②: Faulty Limit Switches in the Limit Switch Box



●● ACTION 1

Verify that the installed location of the operating Limit Switch set is lined up with the punched marks and that the switches work properly.

●● ACTION 2

Carry out the Back-flushing operation manually after selecting the 'Manual Back-flushing' button and check if the Limit Plate is moving up and down properly.

●● ACTION 3

Activating Limit Switch, measure the resistance and verify if limit switch is defective or not.

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Cause ③: Motor failure



● ACTION 1

Check the movement of Limit Plate by manually hand using motor fan.