

# Trouble shooting for Filter unit

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

### G. FILTER BACK FLUSHING MOTOR CB TRIP

Trip indicates that an over-current in the filter motor circuit breaker lines or when a short circuit occurs in the cable

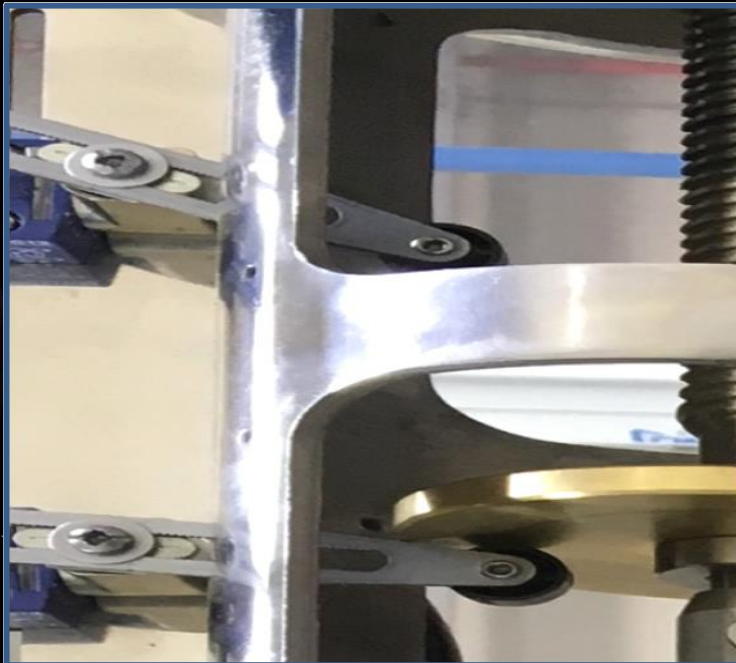
Cause	Description	Action
1	Faulty Limit Switches in the Limit Switch Box	3
2	Short - circuit	2
3	Back-flushing motor failure	1

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Cause ①: 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

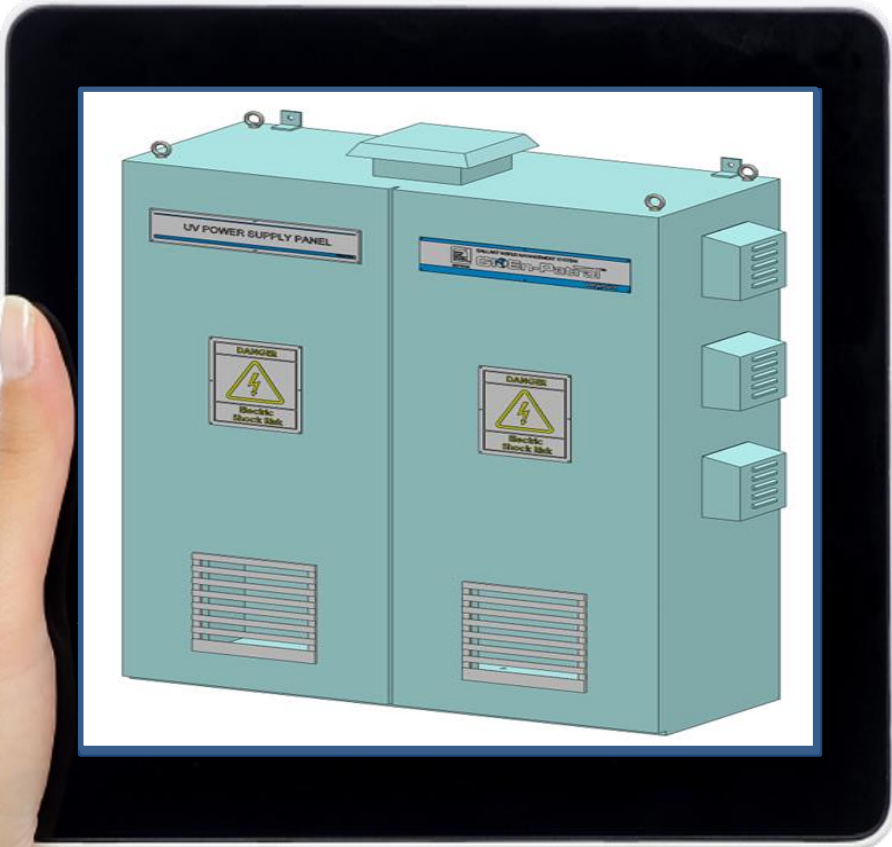
Activating Limit Switch, measure the resistance and verify if limit switch is defective or not.

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Cause ②: Short - circuit



#### ●● ACTION 1

Turn off main 440/220/110VAC circuit breakers in the UV power supply panel.

#### ●● ACTION 2

Ensure a resistance among three wires to supply power to filter flushing motor as follows after disconnecting R, S and T power supply lines in the motor's junction box.

A	B	Ohms (Ω)
R	S	50.7
S	T	50.7
T	R	50.7
R	EARTH	OL(Infinite)
S	EARTH	OL(Infinite)
T	EARTH	OL(Infinite)

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Cause ③: Back-flushing motor failure



#### ● ACTION 1

Open the motor cover and turn the screw manually by hand to check whether the motor is jammed.