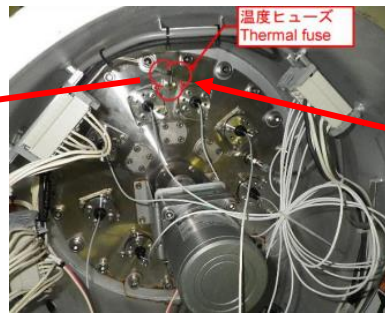
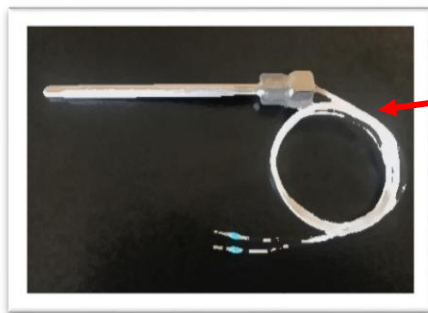


## How to handle blowout of thermal fuse in UV reactor

In this issue, we would like to provide information on what to do when the thermal fuse of our ballast water management system (Miura BWMS) blows.

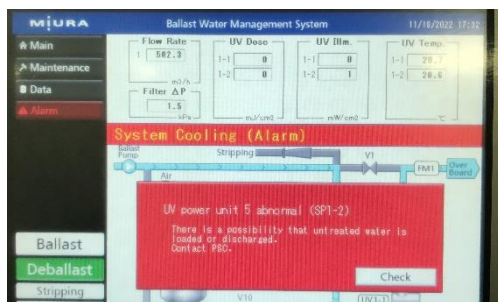
**Role of thermal fuse:** Monitors overheating of the temperature inside the UV reactor.

**Thermal fuse mounting location:** Thermal fuse is mounted to protect the UV reactor from abnormally high temperature.

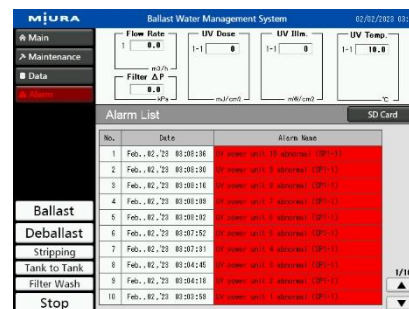


**Possible phenomena:** When the thermal fuse blows, the following occurs;

- (1) The breaker in the source panel corresponding to the UV reactor with the blown thermal fuse trips and "UV power unit abnormal" alarm is displayed.



UV power unit abnormal alarm



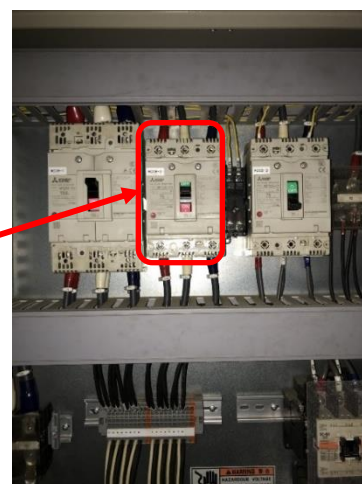
Alarm history

- (2) The light on the upper right of the source panel is on, but. the breaker inside the source panel is tripped.



Source panel appearance

The source light is on



Source panel breaker trip

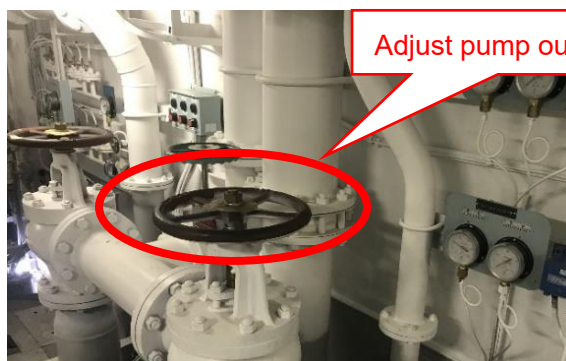
**Probable cause:** One possible cause is an increase in reactor temperature due to insufficient water flow to the UV reactor.

## How to respond and precautions

- (1) When the ballast tank level drops, the air mixture in the ballast pump occurs and the discharge pressure becomes unstable. In this case, stabilize the pressure by adjusting the pump outlet valve.



Check pump suction / discharge pressure.



- (2) If stripping mode is available, use the stripping mode before the tank level drops to about 1/3 of the tank level.

**Check if thermal fuses are equipped to your Miura BWMS:** If your Miura BWMS has a thermal fuse, it is on the spare parts list.

\*Parts code: 0000-AA1-1593-0

SPARE PARTS		List No. 01-C0-181A			Page		2/2	
		< Model: HK-900 (IMO), HK-900C (USCG) >			Ship No.			
					Box No.			
No.	Name Parts No.	Sketch	Material	Supply per ship		Drawing No.	Remarks	
				Work ing	Spare		Mass (kg)	
2-1	UVセンサーガラスパッキン UV sensor sight glass packing A014-176-0000-0		EPDM	6	6			0.01
2-2	UVセンサーサイトグラス UV sensor sight glass A014-165-9002-0		石英 Quartz	3	3			0.07
2-3	温度ヒューズ Thermal fuse 0000-AA1-1593-0		-	3	3			0.01

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<https://www.miuraz.co.jp/en/marine/service/network.html>

If you have any questions, please contact the nearest MIURA office.

Email address: hakuyo\_mka@miuraz.co.jp

