



WARNING: IMPORTANT WATER MIST FIRE SUPPRESSION SAFETY NOTICE

DELIVERY METHOD: REGISTERED MAIL RETURN RECEIPT REQUESTED

18th September 2017

Re: ACTION REQUIRED: Important Water Mist Fire Suppression Safety Notice

Dear Customer:

At Marioff Corporation Oy, the safety and reliability of our products are of paramount importance to us. Therefore we would like to make you aware of an important safety issue regarding the HI-FOG 1900 sprinklers that requires your immediate action.

During a service visit aboard a vessel, Marioff discovered that HI-FOG 1900 sprinklers may not provide adequate flow when installed in the A1000 assembly body with an internal stop valve. The A1000 assembly body was designed in 1997 to accommodate the HI-FOG 1000 sprinklers. Some models of that assembly body include an internal stop valve that prevents the flow through the assembly body if the sprinkler is removed. The A1000 assembly body was replaced in 2002 by the AB-type, which accommodates HI-FOG 1000 and HI-FOG 2000 sprinklers.

Our relentless root cause analysis identified that the HI-FOG 1900 sprinkler is not fully compatible with the A1000 assembly body with an internal stop valve. The increased length of the HI-FOG 1900 sprinkler causes it to push the plug of the internal stop valve beyond its intended range and thus may diminish or in the worst case prevent the water flow to the sprinkler in the event of a discharge.

To rectify this issue, two actions must be taken: (1) a spacer must be added between the HI-FOG 1900 sprinkler and the A1000 assembly body or cover plate (if any), and (2) the O-ring at the sprinkler must be replaced with a thicker O-ring. This field solution has been extensively tested and will function irrespective of the assembly body type, i.e. it can also be applied to the AB-type without affecting the functionality of the HI-FOG 1900 sprinkler.

For the sake of urgency, Marioff recommends that the field action is carried out by the ship crew, following carefully the instructions in the attached Safety Bulletin 2017/004 and confirming in a service report that the field solution has been applied throughout the vessel. For your convenience we include below in Appendix 1 a reference list of the affected vessels indicating the number of delivered HI-FOG1900 sprinklers and A1000 assembly bodies based on our records. Please be aware that this list is for reference only, helping you to prioritize in which order to carry out the field action on your fleet. All ships must be inspected and retrofitted where necessary.

With your instruction Marioff will ship – at no charge to you – the spacers and O-rings either directly to the affected vessel or to a central delivery address. Should your crew not be in the position to carry out the field activity, Marioff is of course available to support you with such work. In such case we ask you to contact Marioff Aftersales at aftersales@marioff.fi and we will arrange for a service visit at the earliest available time.

At Marioff, safety is of paramount importance. Your cooperation is critical to complete this safety-related work. Please take immediate action to promote the safety of your vessel.

Thank you. Please do not hesitate to contact me at quality@marioff.fi if you have any questions.

Sincerely,



Mikko Talvitie

Quality Director

Marioff Corporation Oy

Enclosures, see separate file:

Appendix 1 – List of HI-FOG 1900 sprinklers and A1000 assembly bodies with internal stop valves