SC218 Fire Testing of Equivalent Water-Based Fire Extinguishing Systems

(Oct 2007)
(Rev.1
July 2022)

~~(~~Interpretation of IMO MSC/Circ.1165, Appendix B, 4.5.1, as amended by MSC.1/Circ.1237 and MSC.1/1269~~)~~

~~Regulation (~~IMO MSC/Circ.1165, Appendix B, 4.5.1, as amended by MSC.1/Circ.1237 and MSC.1/Circ.1269~~)~~ reads:

4.5 Procedure
4.5.1 Except for the flowing fire, the trays used in the test should be filled with at least 50 mm fuel on a water base. Freeboard should be 150 ± 10 mm. For the flowing fire, the fuel should be ignited when flowing down the side of the mock-up, approximately 1 m below the notch. The pre-burn time should be measured from the ignition of the fuel.

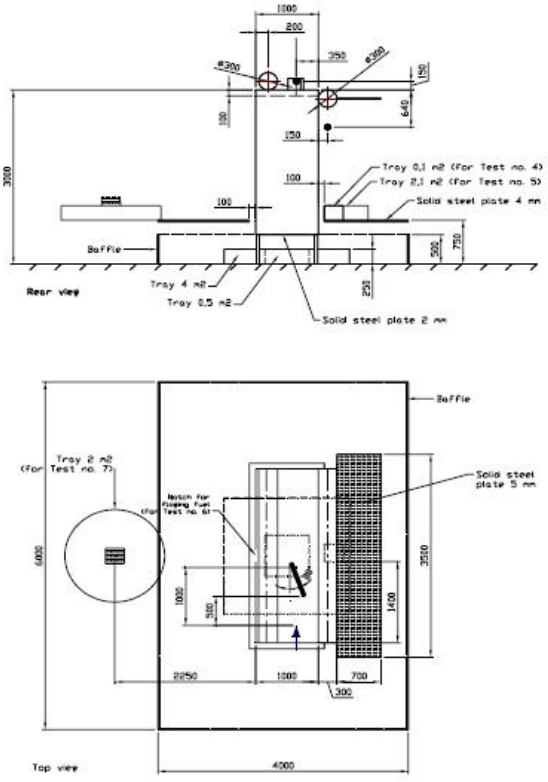

Figure 1

Note:

1. This Unified Interpretation is to be applied by all Members and Associate for systems approved on or after 1 July 2008.

2. Rev.1 of this UI shall be uniformly implemented by IACS Societies on or after 1 July 2023.

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(cont)

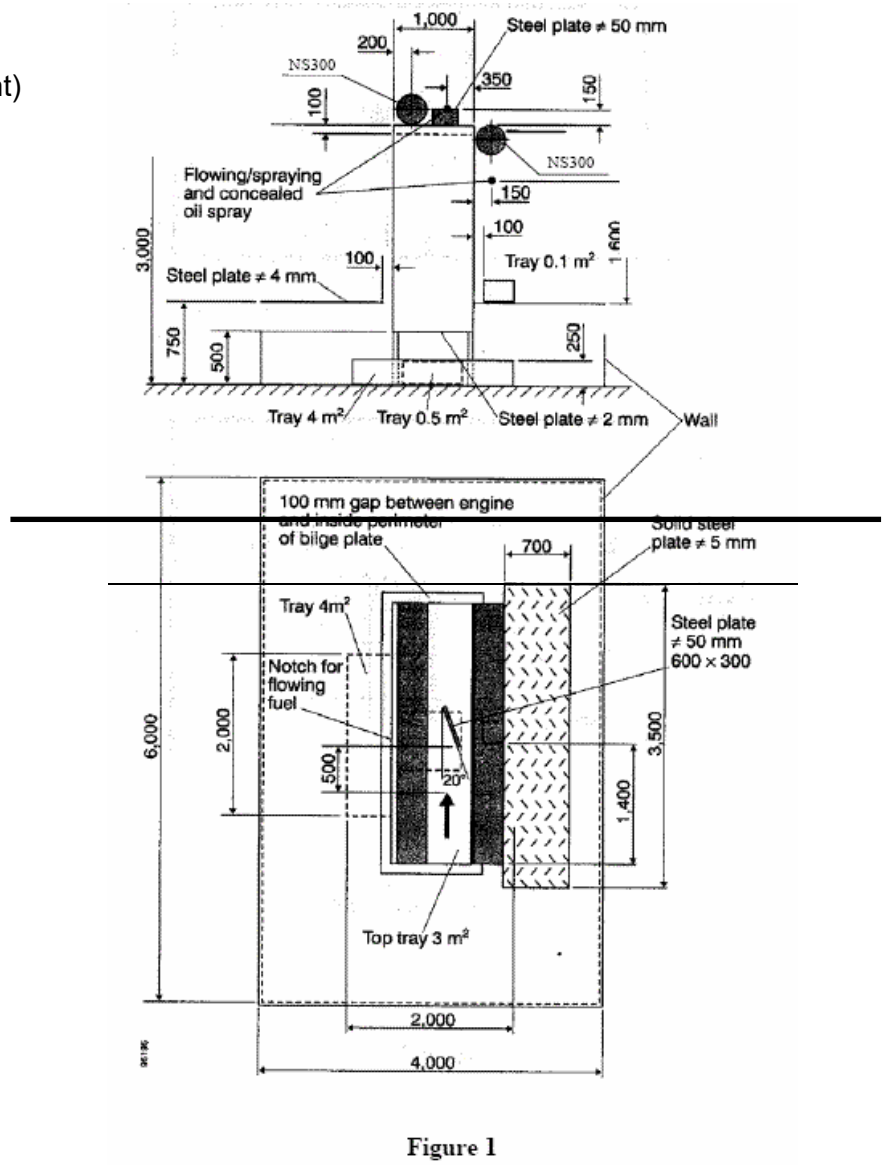

Figure 1

Interpretation

It has been recognized that this cannot be achieved for the ~~3 m²~~ top tray as the total height of this particular tray is only 100 mm.

The freeboard requirement of 150 mm applies consequently only to the 0.1 m^2, 0.5 m^2, 2.1 m^2 and 4 m^2 tray (see IMO ~~MSC/Circ.1165, Appendix B,~~ MSC.1/Circ.1237, Annex, Figure 1).

Freeboard in the ~~3 m²~~ top tray measured from heptane level (which is same as top of notch) to the top of this tray shall be 50 mm.

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