

Description

The FIRE KILL™ B1-Bengal water mist system consist of open low-pressure water mist nozzles.

Fixed water-based fire suppression system with 1% AFFF foam liquid for the bilge area within machinery space or pump rooms. The bilge area is the space between the solid engine-room floor plates and the bottom of the machinery space. A foam mixing unit including 1% AFFF shall be fitted when the system is installed.

The FIRE KILL™ B1 system utilized the Model B1 nozzle which can be supplied in varied materials and with different thread types.



Approvals

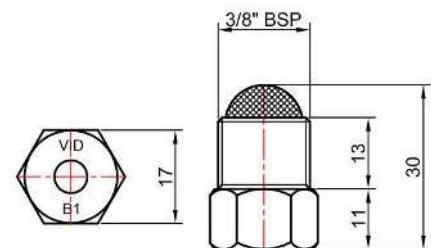
The FIRE KILL™ K6 systems have been tested and approved by DnV in accordance with the latest revision of the IMO MSC Circ. 1165 REVISED GUIDELINES FOR THE APPROVAL OF EQUIVALENT WATER-BASED FIRE-EXTINGUISHING SYSTEMS FOR MACHINERY SPACES AND CARGO PUMP-ROOMS. The nozzle is holding MED-B, UK MER-B and TA by DNV.



Technical data

General Description	
Max height of bilge	1,10m
Min installation height	0,30m
Max installation height	0,50m
Min. water pressure	6,0 Bar
Max. working pressure	16 Bar
Nozzle spacing	1,5m x 2,0m horizontal
Water density	2,30 mm/min
Specific Description	
K-factor (metric)	2,8 (l/min@1 bar)
Drop size	DV90 < 300 µm
Weight	0.024 kg
Housing	Brass / SS316 / Titanium gr. 2
Coating (Brass only)	NiSn
Strainer	Stainless Steel
Thread	3/8" BSP
Other products in the system	
Name	Model
Control valve	C-EL (DN50 / DN 80 FM Approved)
N-Pipe	Type I-FF
Filter	Model F, DN 50 and DN80

Dimension



Spray pattern



Installations

For bilge applications (space between floor plates and tank top), the B1 nozzle should be installed in a 4 m x 1.5 m grid, and between 0.3 m and 0.5 m above the floor. The nozzles are installed in a horizontal position pointing toward each other. Maximum distance between two nozzles is 4,00 meter, i.e. one nozzle is covering an area of 1,5 m x 2,0 meter

Components and pipes should be cleaned/flushed from debris, shavings and impurities and welded items should be cleaned to make sure that there is no abundance of loose debris. The installer should be careful not to get sealant into the pipe system. It should be checked extensively that the components are positioned correctly according to the system plans and specifications.

All components should be securely fastened to rigid, robust structures by approved means. The fire protection system shall not consist of material combinations with risks of galvanic corrosion system pipes and other system components. It is advised that the system utilize pipes and system components in stainless steel, AISI 304 or AISI 316, or copper alloys as to minimize risk of corrosion and clogging of the pipes and other system components.

It is prohibited to use components with black iron parts and other such highly corrosive materials else used in traditional sprinkler systems.

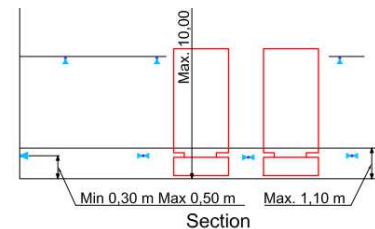
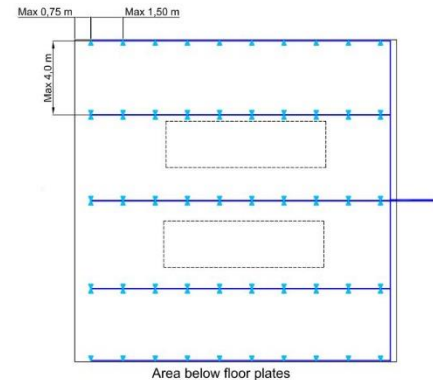
System components shall in all cases be according to the local applicable standards, and be accepted by the authorities having jurisdiction.

Caution

The B1 nozzles shall be installed in locations not containing materials which may produce violent reactions or significantly hazardous materials when reacting with water and should be installed in locations where the nozzle is not likely to sustain physical damage.

Contact

For further information on FIRE KILL™ products, please contact our sales department at Sales@vidfirekill.com



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