

Description

The FIRE KILL™ BM1 water mist system is an open low-pressure water mist nozzle for fire protection in industrial applications. The BM1 has been tested towards many different applications such as wooden industry, polystyrene production facilities, biomass storage, conveyors etc. The nozzles can be used with or without foam enhancement. Due to the nozzles large water outlets, the nozzle is less susceptible to clogging. The nozzles have been designed specifically to be able to work under lower pressures than other conventional nozzles. The nozzles are with M10 x 1 mm connection to fit the FIRE KILL™ Pre-Fabricated N-Pipe system.



The FIRE KILL™ BM1 system utilized the Model BM1 nozzle which can be supplied in varied materials and with different thread types.

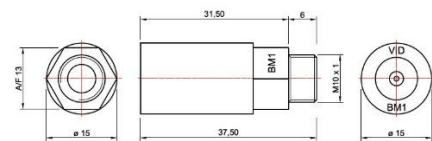
Approvals

The FIRE KILL™ BM1 nozzle has been tested towards various application in an ISO 17025 accredited fire test laboratory. Some of this application can be supplied with third party witness typical DnVGL.

Technical data

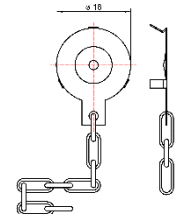
General Description	
Min installation height	Depending on application
Max installation height	Depending on application
Max width of object	Depending on application
Operating water pressure	4,0 Bar to 16,0 Bar
Nozzle spacing	Depending on application
Water density	Depending on application
Specific Description	
K-factor (metric)	2,8 (l/min@1 bar)
Drop size	DV90 < 300 µm
Weight	0.024 kg
Housing	Brass / SS316
Coating (Brass only)	NiSn
Strainer	Stainless Steel
Thread	M10 x 1 mm
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

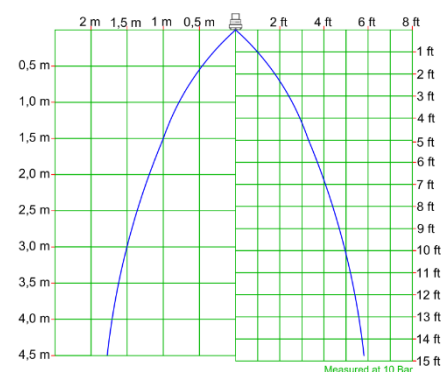


Protection cap

The nozzle can be supplied with a stainless-steel cap to prevent clogging of the nozzle.



Spray pattern



Installations

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 BM1 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@vidaps.dk