

## Description

The FIREKILL™ Model MS80 is a directional spray nozzles and are designed for use in water spray fixed systems for fire protection applications. It is external deflector type nozzles that discharge a uniformly filled cone of medium velocity water droplets.

Model MS80 Nozzles have a K-factor of 80 (liter/minute/ $\sqrt{\text{bar}}$ ) and a working range from 1,5 bar to 4 bar.

Model MS80 Medium Velocity Spray Nozzles are available with 1/2" BSP or NPT male connections.

Nozzles should only be utilized in pipe systems with clean internal pipe surfaces and cavities. Nozzles should be installed in systems with a main-line water strainer with mesh size less than 3mm.

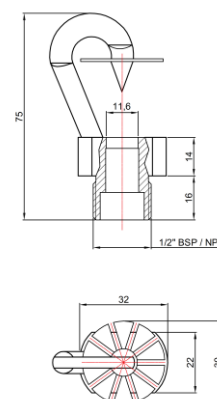
## Applications

The Model MS80 nozzle is designed for fire protection and cooling of primarily tanks, building and structures against hydrocarbon fires. In addition, it has been tested in infrastructure road tunnels.

## Technical data

General Description			
Approved water pressure	1,5-6 bar		
Spray Angle	180° (+5%-5%)		
K-value	80 +5/-8% (l/min/ $\sqrt{\text{bar}}$ )		
Connections	1/2" BSP / 1/2" NPT male		
Nozzle Materials and weight	Brass	CuZn58.	0,070 Kg
	Brass w. NiSn plating	CuZn58+NiSn	0,070 Kg
	Naval Brass	CuZn35Ni	0,070 Kg
	Stainless Steel	AISI 316	0,065 Kg
	Titanium	Grade 2	0,056Kg

## Dimension

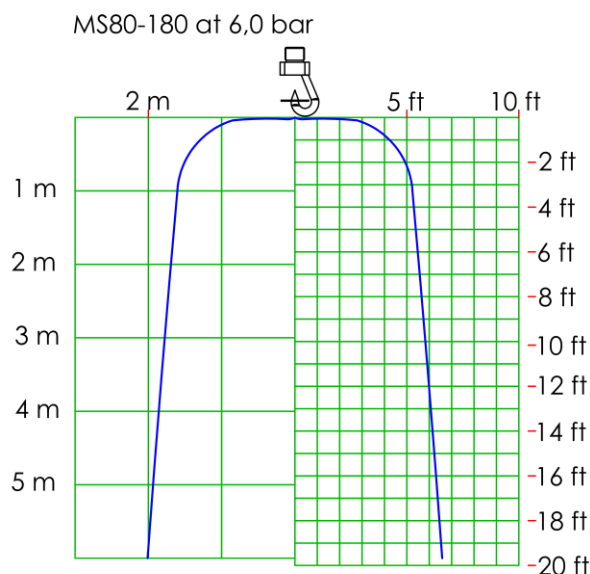
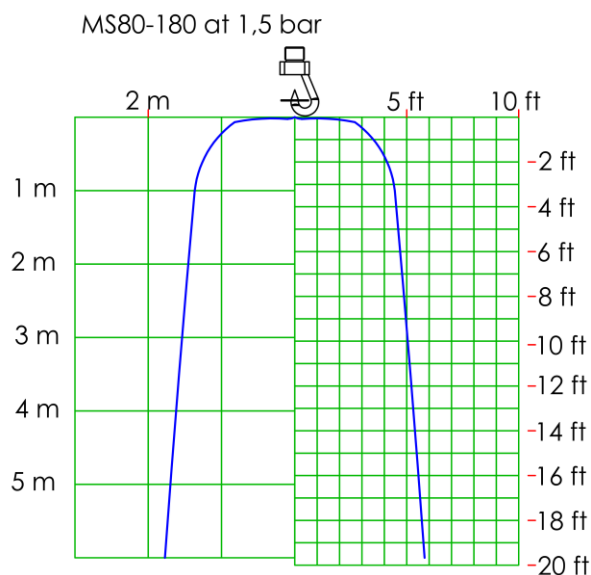


## Installation

Where direct impingement of water spray onto all of the protected surface is required by the authority having jurisdiction, the nozzles are to be spaced and directed so that their spray patterns will completely cover the plane-of protection with the minimum required average density; however, it is recommended that indoor nozzle spacing be 3,7 m or less and that outdoor nozzle spacing be 3,0 m or less.

Piping should be flushed prior to installation of the nozzles. The nozzles can be used for both fresh water and sea water applications.

## Spray pattern



## Contact

For further information on FIREKILL™ products, please contact our sales department at [Sales@vidfirekill.com](mailto:Sales@vidfirekill.com)

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