

Description

The FIREKILL™ Model HS43-120 is a high-speed water spray nozzle which delivers a full cone spray of water from the nozzle in an angle of 120° ±5%. The nozzle functions with a water pressures of 2-10 bar making it possible to utilize the nozzles in very harsh wind conditions.

Model HS43-120 Nozzles have a K-factor of 42.5±5% (liter/minute/√bar).

Model HS43-120 High Speed Nozzles are available with 1" BSP & NPT male connections.

Model HS43-120 High Speed Nozzles are available with (FM Approved version) and without nozzle strainers. Nozzle strainers have 2mm mesh size.

All internal water ways have diameters larger than 3mm. 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 equal to or less than 3mm.

Applications

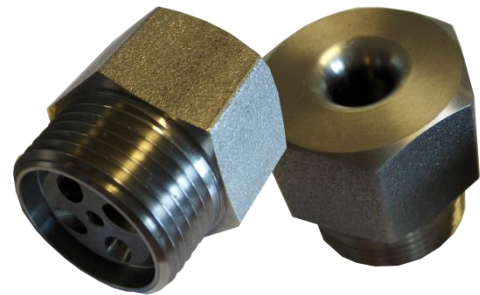
The Model HS43-120 nozzle is designed for fire protection and cooling of primarily tanks, building and structures against hydrocarbon fires.

Approvals

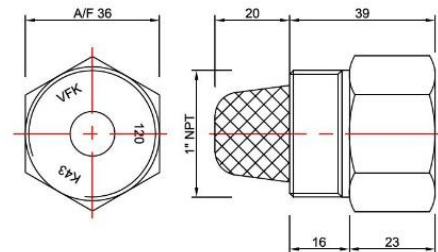
The Model HS43-120 Titanium and Naval Brass nozzles are FM approved.

Technical data

| General Description | | | |
|-----------------------------|------------------------|---------------|---------|
| Approved water pressure | 2-10 bar | | |
| Spray Angle | 120° ±5%. | | |
| K-value | 42,5 ±5 (l/min/√bar) | | |
| Connections | 1" BSP / 1" NPT male | | |
| Nozzle Materials and weight | Brass | CuZn58. | 0,20 Kg |
| | Brass w. NiSn plating | CuZn58 + NiSn | 0,20 Kg |
| | Naval Brass* | CuZn35Ni | 0,20 Kg |
| | Stainless Steel | AISI 316 | 0,18 Kg |
| | Titanium* | Grade 2 | 0,12 Kg |
| | Super Duplex | 25Cr | |
| Strainer Materials | Copper | Cu | |
| | Copper w. NiSn plating | Cu + NiSn | |
| | Stainless Steel* | AISI 316 | |
| | Titanium | Grade 2 | |



Dimension



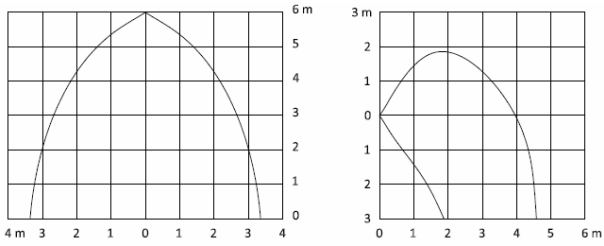
Only Naval Brass and Titanium nozzle w/stainless steel strainer are FM Approved



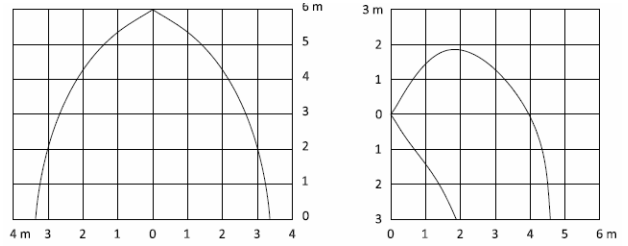
Contact

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

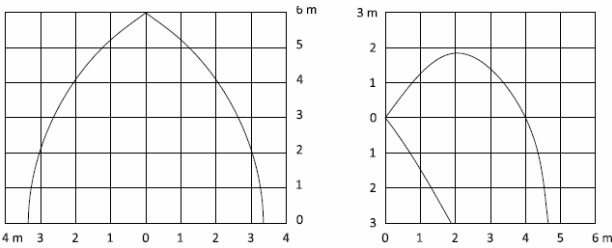
Spray Pattern at 2-4 bar



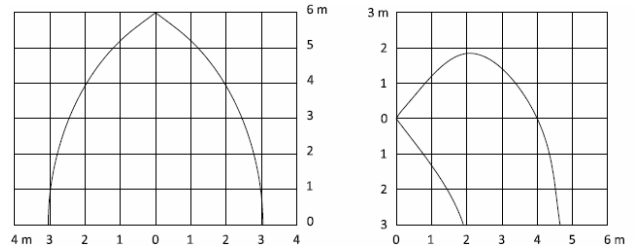
Spray Pattern at 4 bar



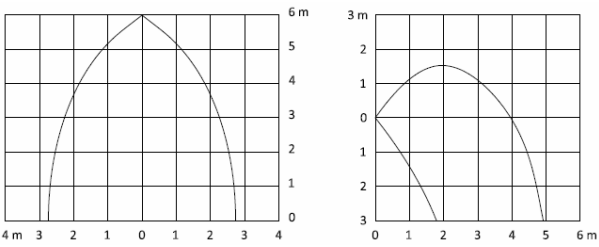
Spray Pattern at 5 bar



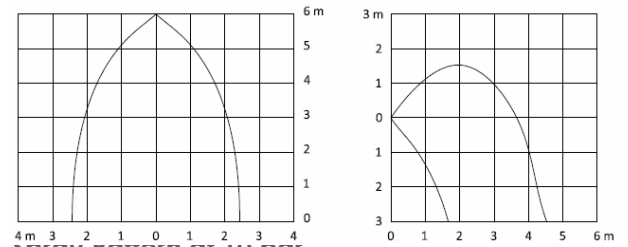
Spray Pattern at 6 bar



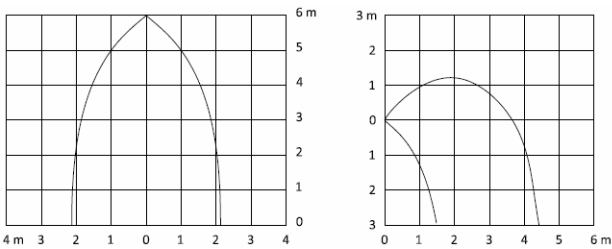
Spray Pattern at 7 bar



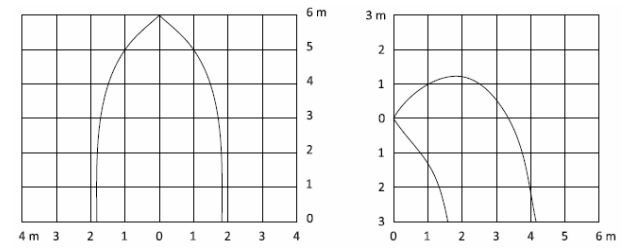
Spray Pattern at 8 bar



Spray Pattern at 9 bar



Spray Pattern at 10 bar



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