

Description

The FIREKILL™ Model SUFA Control Valves are a series of small robust, easy to install, one shot valves for control of water access to one or multiple low-pressure water mist fire suppression nozzles. The valves have a fast response feature which reacts to the heat of fire and can also be hooked up to electrical circuits for electrical release.

Application

The SUFA Control Valves have been designed to provide fire protection of localized areas on-shore, maritime and off-shore applications. The SUFA valves enables system designers and installers to tailor sprinkler systems or low-pressure water mist systems to specific locations and applications.



Technical data

Specification		
Name	SUFA 1001X	SUFA 1002X
Type	One outlet	Two outlets
Working Pressure	0.5 bar – 10 bar	
KV-Value	70 l/min@1 Bar	97 l/min@1 Bar
Nominal Release Temp.	57°C, 68°C, 79°C, 93°C, 141°C	
Connections	¾" BSP Female	
Materials	Brass CuZn58	
Finish	NiSn	
Weight	0,60 Kg	0,70 Kg
Expected Lifetime	10 years	
Related products		
Electric Connections	Screw Connections	
Electric Release (Resistant Heat Element)	5 Ω	
Electric Release Signal	24W: 24 VDC, 1 amp over 10s or 12VDC, 2 amp over 10s.	
Monitoring Current	Max 0.02 A	

Installation

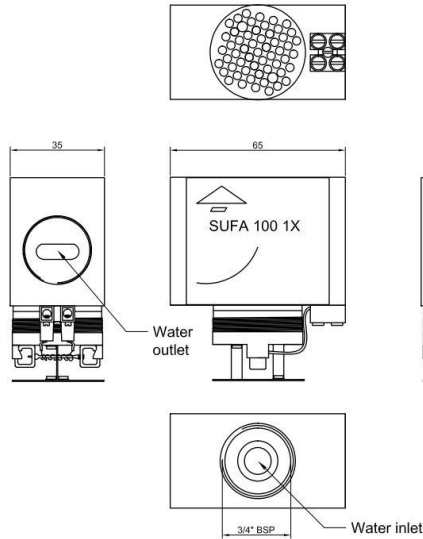
When installed, connected pipes should not be supported by the SUFA valves, rather all pipes should be properly fastened using approved pipe hangers. The valves should only be installed in locations free of vibrations and the valve should be placed either in the upright or in the pendent position. The SUFA valves should be placed with 50 mm free space between the heat sensitive element and objects near the valve.

The SUFA valves are applicable in both dry pipe and wet pipe systems and can be installed as a medium for pre-action systems; in this case, the valves should be electrically released by fire detection units such as smoke or flame detectors.

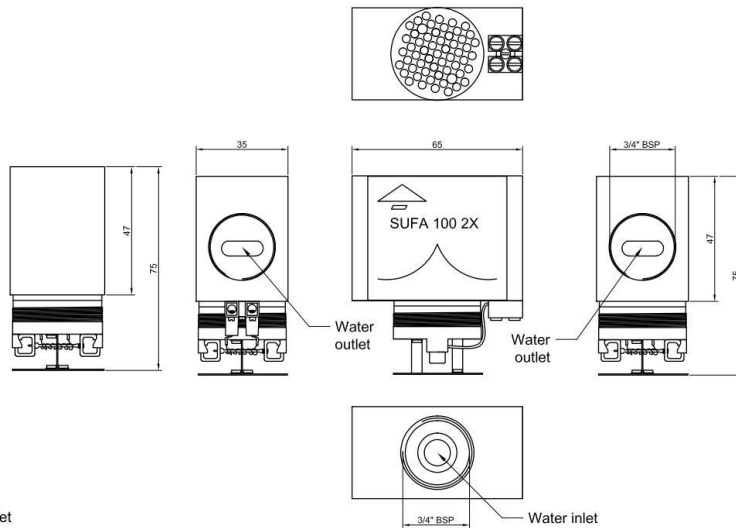
It is recommended that there be placed a monitored stop valve upstream from SUFA Valves as to shut off the supply of water to nozzles after activation.

Dimension

Model SUFA 100 1X



Model SUFA 100 2X



Caution

The valve contains a sensitive glass bulb which determines the valves triggering temperature. The valves must therefore be handled with great caution. SUFA valves should be inspected and checked on receipt; so that it is confirmed that the glass bulb is intact. Check also that the nominal release temperature is correct. The nominal temperature of the glass bulb may be increased by not more than 30 dgC above the nominal temperature in the area protected. Minimum temperature rating of the glass bulb is however 57 dgC.

Contact

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