

## VID FIRE-KILL OH-PX2 NOZZLE



### Description

The OH-PX2 nozzle is an automatic, closed head, low-pressure water mist nozzle used in the Fike DuraQuench water mist system for the protection of selected OH-3 sales, storage, and technology areas enclosed by OH-1 areas. It provides a highly reliable and enhanced firefighting performance along with low water requirements. The nozzle is offered with different finishes to allow the nozzle to blend in with almost every type of surface.

### Approvals

The OH-PX2 nozzle has been tested in accordance with VdS Test Assembly and Requirements of OH3 (ST1 and ST5/6). Document reference VdS OH3, de V1 29.09.2011. The test is carried out with a third party witness from DnVGL.

### Application

General	
Coverage/Spacing (max)	132 ft <sup>2</sup> (11.48 ft. x 11.48 ft.) 12.25 m <sup>2</sup> (3.5 m x 3.5 m)
Distance to Wall (max)	5.74 ft. (1.75 m)
Room size (max)	Depends on storage type
Height (max)	13.12 ft (4 m)
Hydraulic	
Water density	0.162 in/ft <sup>2</sup> (4.10 mm/m <sup>2</sup> )
System operation time (min)	As required by AHJ
Design area (min)	As required by AHJ

### Specifications

Water Pressure	101 psi (7 bar) minimum
	232 psi (16 bar) maximum
K-factor	1.32 (gpm/√psi)
	19.0 (lpm/√bar)
Nominal Release Temperature	135°, 154°, 175°, 199°F (57°, 68°, 79°, 93°C)
Time Response Index (metric)	RTI <50 Fast Response Class
Droplet Size	DV <sub>90</sub> < 300 μm
Weight	0.465 lbs. (0.211 kg)
Housing	Brass
Coating	NiSn
Strainer	Stainless Steel
Thread Type	½" NPT/BSP
Cover Plate Finish	Chrome, White RAL 9010 (other RAL colors available)

### Ordering

02-17546 -X -X -X -X  
A B C D

#### A: Material

1 = Brass

#### B: Connection Threads

1 = NPT

2 = BSP

#### C: Cover Plate

1 = Chrome Plated

2 = White (RAL 9010)

#### D: Temperature

1 = 135°F (57°C)

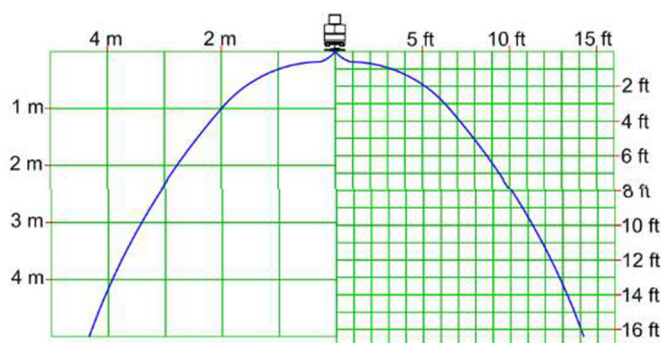
2 = 154°F (68°C)

3 = 174°F (79°C)

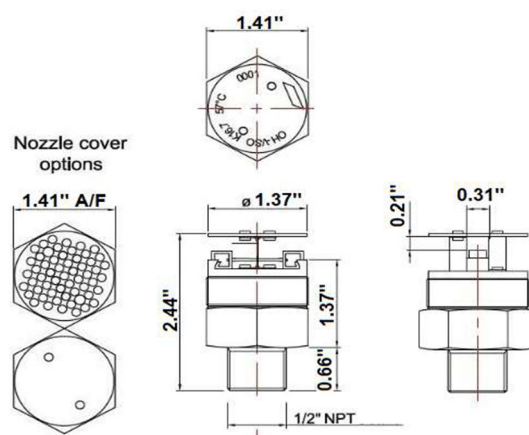
4 = 199°F (93°C)

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## Spray Pattern



## Dimensions



OH-PX2 Nozzle

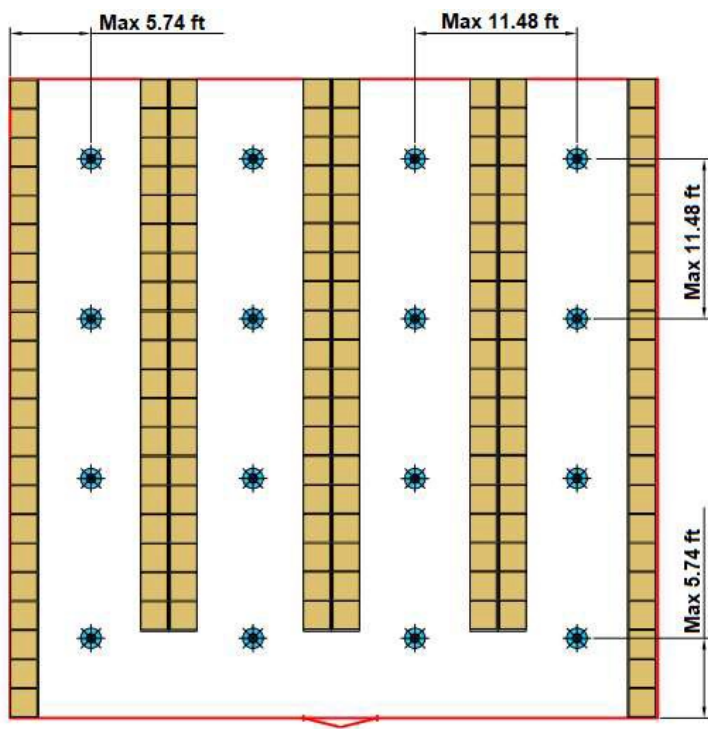
## Installations

The OH-PX2 nozzles are installed recessed in a ceiling, using the proper tools, as not to damage either nozzle or the surrounding ceiling, with a maximum distance of 11.48 ft. (3.5 m) between the nozzles and a maximum of 5.74 ft. (1.75 m) to any walls.

The OH-PX2 should only be installed in clean, non-corrosive pipe systems, which do not cause galvanic corrosion to the nozzle, the system components, and pipe hangers, and with clean rinsed internal surfaces free of impurities. The water quality should be free of chlorides and impurities. After the successful installation of the nozzle, the nozzle rosette is to be screwed to the nozzle, thus completing the installation. The nozzle may also be surface mounted into an open pipe network. The system should be installed using materials found acceptable by the authorities having jurisdiction.

**Caution:** The OH-PX2 nozzle is a fragile component, containing a glass release element under pressure. Use only the OH-spanner wrench to install the OH-PX2 nozzle. Dropped or otherwise damaged nozzles should not be reinstalled.

## Typical Layout



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