

### Automatic Sidewall Nozzle Model OH-SW

#### Applications:

Fire-Kill Model OH-SW is an automatic Low Pressure Water Mist Nozzle for automatic fire protection of locations such as hotel rooms, hospital rooms, offices, homes and other locations with up to 3m ceiling height having similar fire hazards.

#### Description:

Fire-Kill Model OH-SW Nozzles are designed to be installed on walls in horizontal position.

Model OH-SW Automatic Low Pressure Water Mist Sidewall Nozzle combines the bests of the sprinkler technology and the water mist technology into one product. Model OH-SW Sidewall Nozzles provide the sprinklers high reliability and low water pressures together with the water mist's high performances and low water flows in one nozzle.

The nozzles are installed partly embedded in the wall surfaces. The Nozzle and its rosette design blends into the wall surfaces and make a visual discrete nozzle installation in the fire protected locations.

#### Installation:

Model OH-SW Nozzles are installed on walls with maximum 3,7m between the nozzles.

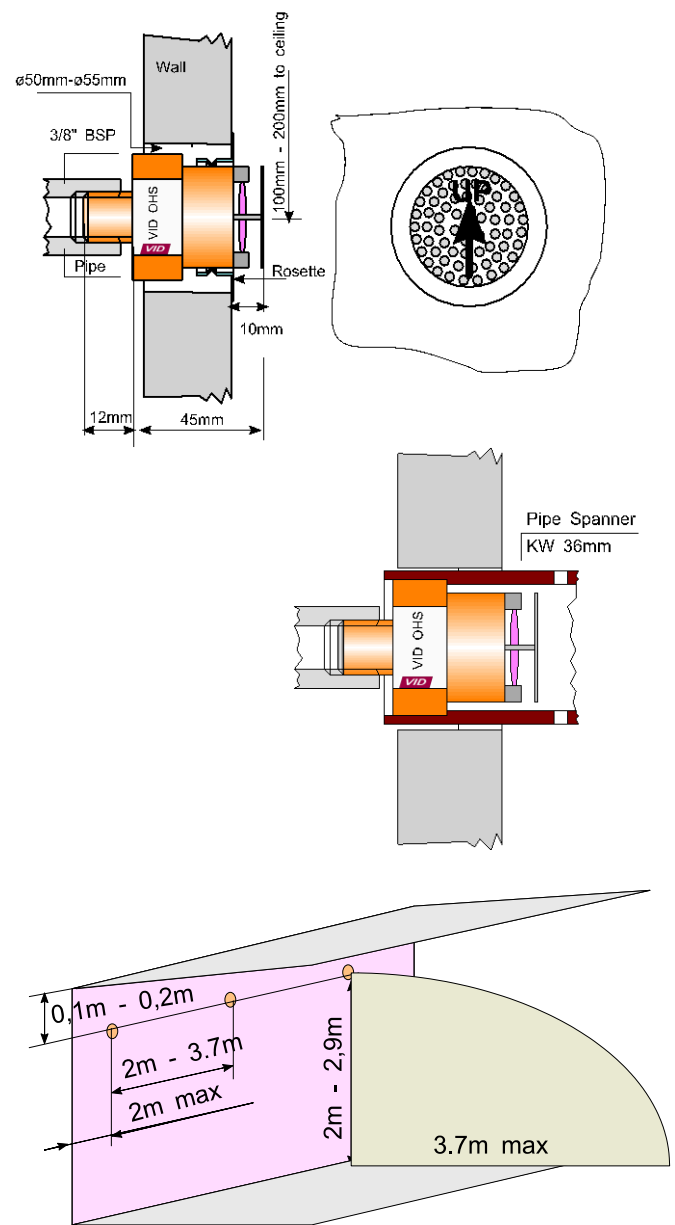
Model OH-SW Nozzles cover 3,7m from the wall into the room.

Model OH-SW Nozzles should be installed 2m to 2,9m above the floor.

The Model OH-S nozzles should be installed 0,1m to 0,2m below the ceiling surface, with the cover plate positioned 10mm – 15mm outside the wall surface.

The Nozzles are installed in horizontal position in  $\varnothing 50\text{mm} - \varnothing 55\text{mm}$  holes in the walls.

The OH-SW Nozzles should be orientated with the glass bulb in vertical position and the marking pointing upwards. After the nozzles have been installed, the nozzle system is pressurized with water (max. 24 bar for 30 min) and the whole system is checked for leakages. Hereafter the Rosettes are fitted the nozzles to cover the gab surrounding the nozzles.





## Automatic Low Pressure Water Mist Nozzle Model OH-SW

Fire-Kill Data-Sheet No.: E80813-03

### **Product information:**

|   |                               |
|---|-------------------------------|
| <b>Materials:</b>                         | Brass / stainless steel       |
| <b>Water pressures:</b>                   | 6 – 16 bars (tested at 6 bar) |
| <b>Dropsizes D<sub>v90</sub>:</b>         | < 350µm                       |
| <b>K-factor:</b>                          | 12,5 l/min/√bar               |
| <b>Installation height below ceiling:</b> | 0,10 – 0,20 meters            |
| <b>Nozzle coverage:</b>                   | 3.7m x 3.7m, 1.85m to corners |
| <b>Time response index (RTI):</b>         | Fast response < 50m/√s        |
| <b>Nominal release temperatures:</b>      | 57, 68, 79, 93 °C             |
| <b>Ceiling height:</b>                    | Max. 3 m.                     |



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**Time response index (RTI):**

Fast response < 50m/√s

**Nominal release temperatures:** 57, 68, 79, 93 °C

**Ceiling height:**

Max. 2.5 m.