

# RECESSED 360° ANTI-LIGATURE NOZZLE

## Flush Mounted Ceiling Pendant Nozzle

### DESCRIPTION

The Hydramist<sup>®</sup> 360° Pendant Anti-Ligature nozzle is designed to produce very fine water droplets creating high pressure water mist with sufficient flow and velocity to effectively fight fires in Custodial and Special risk applications.

Approved for use by the Home Office and Ministry of Justice, the main nozzle body incorporates design features to prevent a ligature from becoming anchored on the nozzle.

Scientifically configured micro-nozzles incorporated into the nozzle body are able to produce a calculated flow rate and spray pattern sufficient to suppress fires. Hydramist<sup>®</sup> nozzles are designed to meet the specific fire protection needs of the application in the custodial environment.

Based on information supplied by the client, an approved designer working from the Hydramist<sup>®</sup> design manual, determines the detailed specification of the number and type of nozzles to meet the specific fire risk.

The modern and smart low profile dimensions of the Hydramist<sup>®</sup> open anti ligature nozzle results in a custodial cell fitting that is aesthetically pleasing but strong; visually unobtrusive and of a superior finish to meet the demanding requirements of custodial and special risk environments.



Full assembly with retention plate and nozzle holder shown for illustration purposes only

### Anti-Ligature Nozzles General Features

- Custodial areas up to 427m<sup>3</sup>
- Maintains a life tenable environment for at least 20 minutes
- Simple, secure, through-wall fixing method to suit any thickness ceiling
- Can be mounted on, or flush with the ceiling surface

### Applications

- Prisons
- Detention Centres
- Immigration Centres
- Custody Suites

### Standards

- Compliant to:
- M.o.J. Standard M/SPEC/045

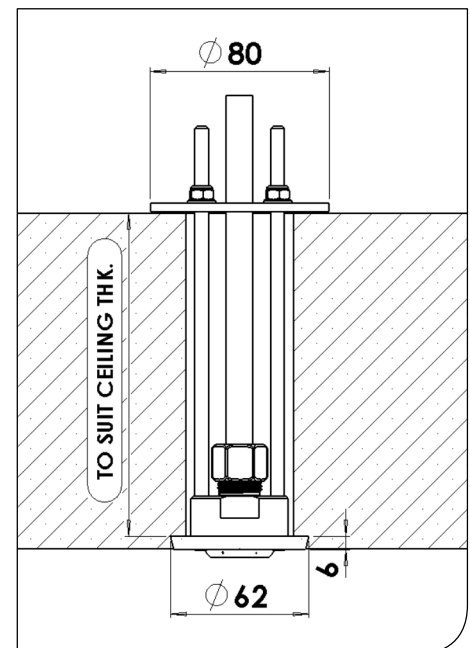
### Pendant Nozzle: Technical Data

Flow Rate	14.52 L/min
K Factor	1.452
Pressure	100 bar
Spacing	3.0 m
Maximum Height	4.5 m
Maximum Area	427 m <sup>3</sup>

Material	316 Stainless Steel
Filtration	80 micron
Thread	12S
Wall Bore Hole	Ø 43 mm

### Test Reports:

BRE	247405
BRE	293143
VTT (Fire dynamic simulation)	VTT-CR-01209-19



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