

RECESSED 180° ANTI-LIGATURE NOZZLE

Flush Mounted Sidewall Nozzle

DESCRIPTION

The Hydramist[®] 180° Sidewall 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[®] nozzles are designed to meet the specific fire protection needs of the application and the industry.

Based on information supplied by the client, an approved designer working from the Hydramist[®] 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[®] 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 427m³
- Maintains a life tenable environment for at least 20 minutes
- Simple, secure, through-wall fixing method to suit any thickness wall
- Can be mounted on, or flush with the wall surface

Applications

- Prisons
- Detention Centres
- Immigration Centres
- Custody Suites

Standards

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

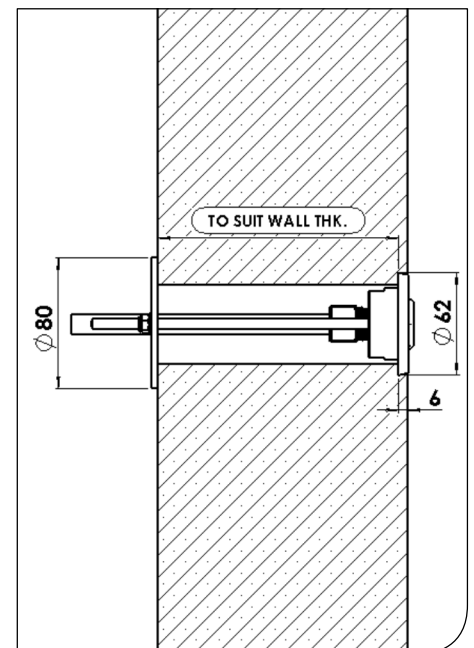
Sidewall Nozzle: Technical Data

Flow Rate	14.2 L/min
K Factor	1.42
Pressure	100 bar
Spacing	3.0 m
Maximum Height	4.5 m
Maximum Area ⁽²⁾	427 m ³

Material	316 Stainless Steel
Filtration	80 micron
Thread	12S
Ceiling Bore Hole	Ø43 mm

Test Reports:

BRE	247405
BRE	293143
VTT (Fire dynamic simulation)	VTT-CR-00821-20



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