



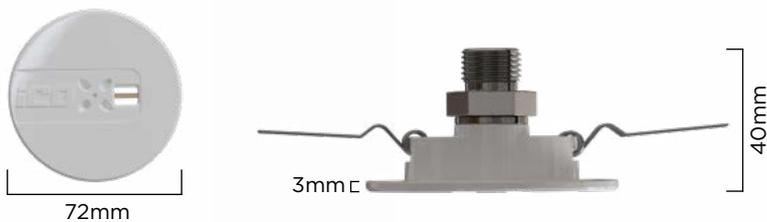
# ICO® High Pressure Nozzle MK1

## Technical Datasheet

### Technical Data

Part Number:	PU002-02
Dimensions:	Ø72mm x 19mm
Weight:	200g
K Factor:	1.71
Temperature Rating:	57°C
Max. Pressure:	1020 psi (70 bar)
Minimum Operating Pressure:	40 Bar
Response Type:	Fast (Residential)
Occupancy Type:	Domestic
Connection Size:	3/8" BSP
Minimum Spacing:	2m (6.5ft)
Maximum Spacing:	4m x 4m (13.2 x 13.2ft)
Colour:	White as standard. Other colours available.
Material:	316 Stainless Steel
Fixing Method:	Torsion Springs

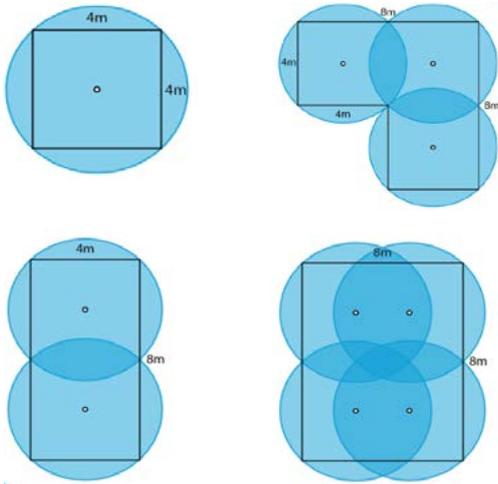
### Dimensions



The ICO® easy fit nozzles are extremely low profile. Sitting just 3mm below the ceiling, they are the most discreet water mist nozzles on the market.

# Installation

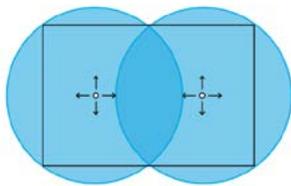
## NOZZLE SPACING: FLAT CEILING



### Installation Notes:

- <sup>1</sup> 4x4m Grid (16m<sup>2</sup>)
- <sup>2</sup> Max 2m from wall
- <sup>3</sup> 2m minimum distance between nozzles

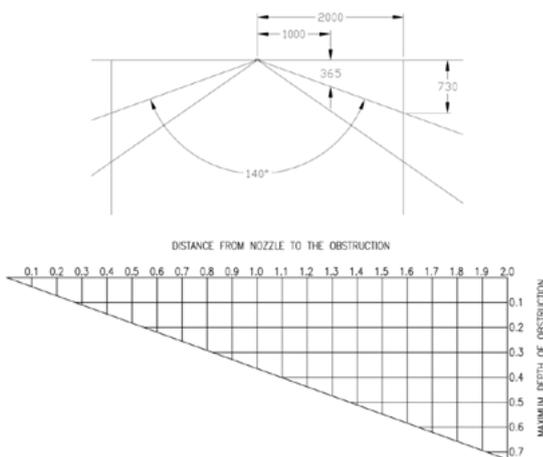
## NOZZLE ORIENTATION



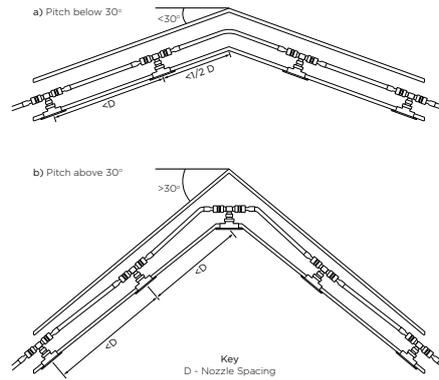
### Installation Notes:

- <sup>1</sup> The preferred nozzle outlet orientation is perpendicular to the walls of a room.
- <sup>2</sup> Nozzles should be positioned away from obstructions to allow a 140° spray pattern.

## DISTANCE FROM OBSTRUCTIONS



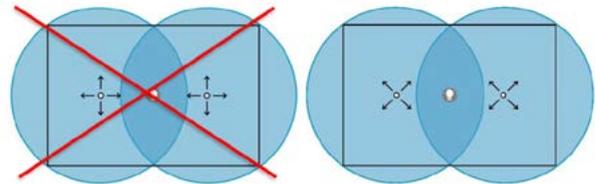
## NOZZLE SPACING: SLOPED CEILING



### Installation Notes:

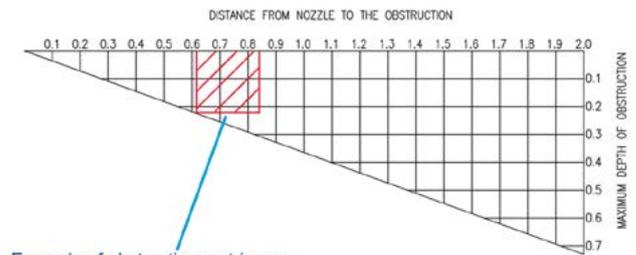
- <sup>1</sup> When installing iCO® misting nozzles on sloped ceilings, the position of the nozzle should be determined by the pitch of the ceiling.
- <sup>2</sup> Where the pitch is below 30° iCO® nozzles should be mounted at standard spacing when measured in line with the pitch of the ceiling.
- <sup>3</sup> Where the pitch is 30° and above, the first row of iCO® nozzles should be mounted within 300mm radially from the apex of the ceiling.
- <sup>4</sup> All nozzles should be mounted perpendicular to the ceiling as shown.

## NOZZLE ORIENTATION: PENDANT LIGHT FITTINGS



### Installation Notes:

- <sup>1</sup> Nozzle spray angles should not be directed at pendant light fittings.
- <sup>2</sup> The spray direction can be rotated 45° to spray into the corners of a room to avoid pendant light fittings. Nozzles should be at least 500mm away from a pendant light fitting.



Example of obstruction matrix use.

If obstruction fits wholly inside matrix, nozzle positioning is unaffected.

### Maintenance and Storage Notes:

- <sup>1</sup> The nozzle should be maintained in accordance with BS8458
- <sup>2</sup> Minimum/Maximum ambient temperature 4°C/40°C



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Patents pending: UAE

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