



iCO® High Pressure Nozzle MK2

Technical Datasheet

Technical Data

Product Code:	iCO-HP-09
Dimensions (Without Cover Plate & Rosette):	59.5mm x 66.5mm x 72.0mm
Ceiling Hole Diameter:	Ø80mm
Weight:	0.39kg
K-Factor:	1.9
Temperature Rating (Cover Plate):	57°C
Temperature Rating (Frangible Bulb):	68°C

Single Nozzle Activation

Minimum Operating Pressure:	60.0 bar
Flow Rate:	14.7 l/min

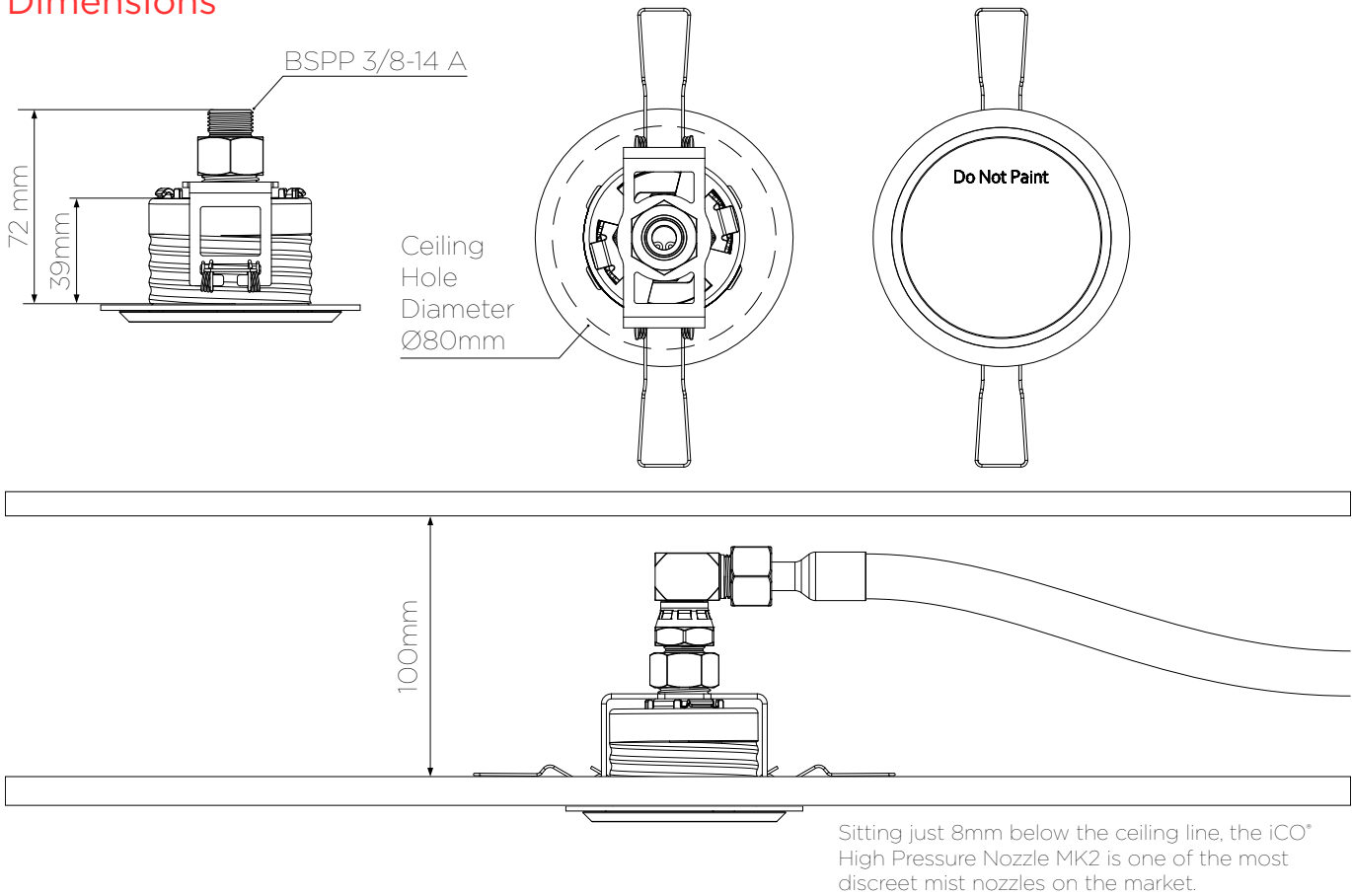
Double Nozzle Activation

Minimum Operating Pressure:	26.0 bar
Flow Rate:	18.9 l/min
Occupancy Type:	Residential* **
Pipe Connection Size:	BSPP 3/8"
Tightening Tool:	24mm Spanner
Minimum Spacing between Nozzles:	2m
Maximum Spacing:	4m x 4m (13.2ft x 13.2ft)
Minimum Ceiling Void:	100mm
Colour (Cover Plate & Rosette):	White (RAL 9010)
Material:	Naval Brass CZ112, Stainless Steel 316
Testing Standards and Ceiling Heights:	BS EN 14972-17 Tests A-E at 2.5m Ceiling Height plus Test A at 3.5m Ceiling Height.

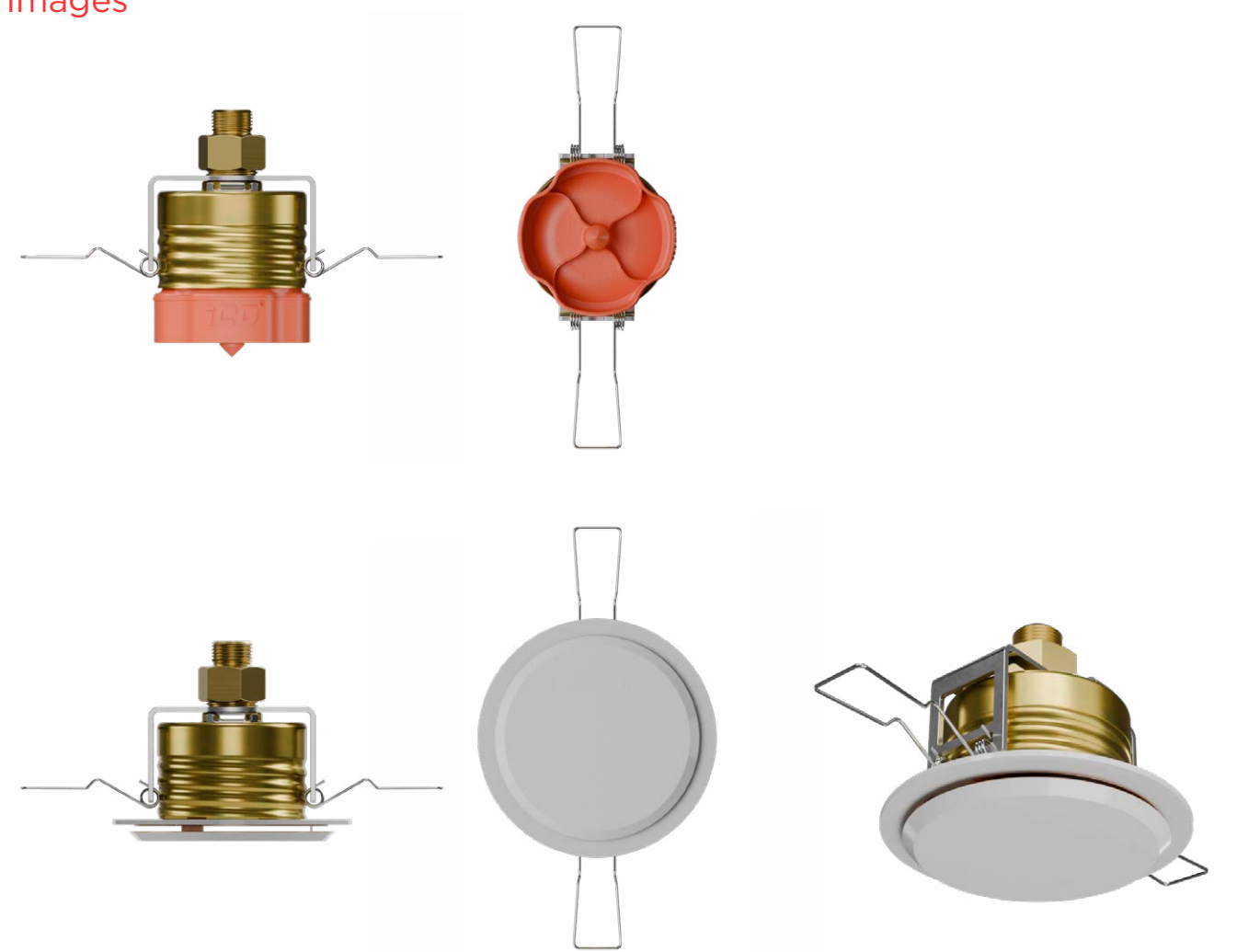
*Dwelling house, apartment, maisonette, transportable home, house of multiple occupation, bed and breakfast accommodation, boarding houses and blocks of apartments or similar of 18m or less in height and with a maximum total floor area of 2 400 m². All nozzles in the largest compartment up to maximum 2. Refer to BS EN 14972-1 Table 1.

**Apartment blocks greater than 18m up to 45m in height, sheltered and extra care housing, residential care premises, residential rehabilitation accommodation, dormitories and hostels or similar up to 45m in height. Minimum nozzle operation 4. Refer to BS EN 14972-1 Table 1.

Dimensions



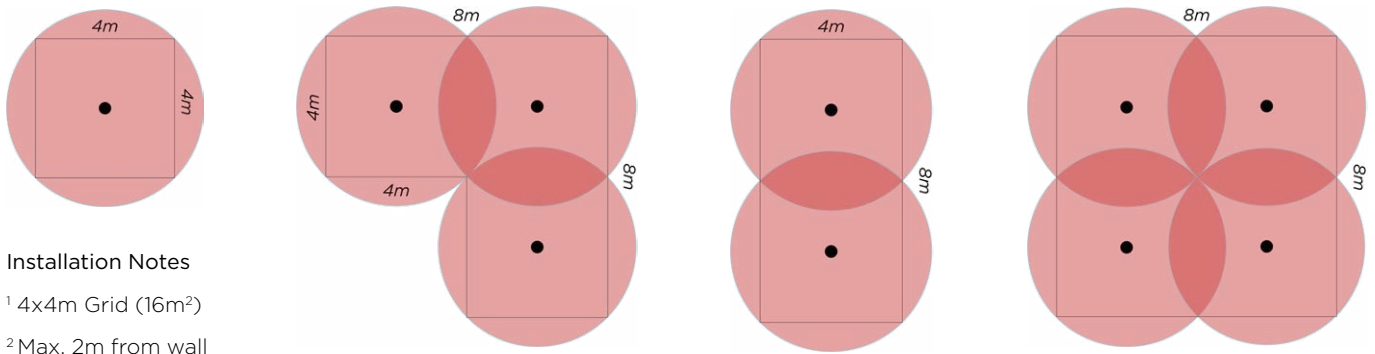
Images



Imagery for illustration purposes only.

Installation

Nozzle Spacing: Flat Ceiling

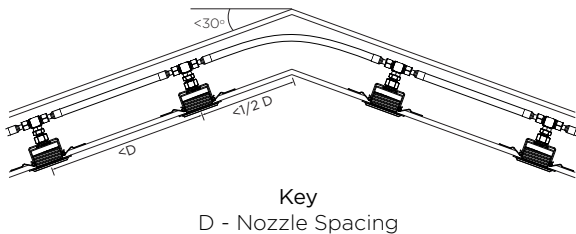


Installation Notes

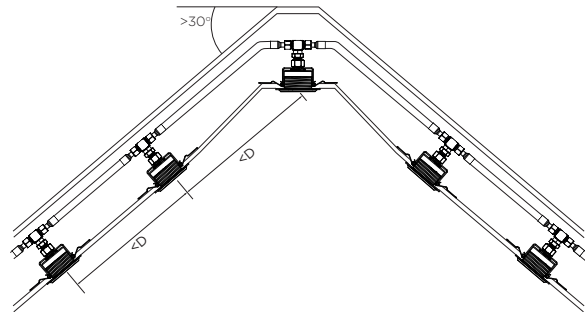
- ¹ 4x4m Grid (16m²)
- ² Max. 2m from wall
- ³ 2m minimum distance between nozzles

Nozzle Spacing: Sloped Ceiling

a) Pitch below 30°



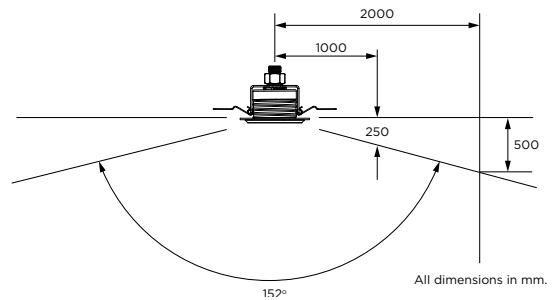
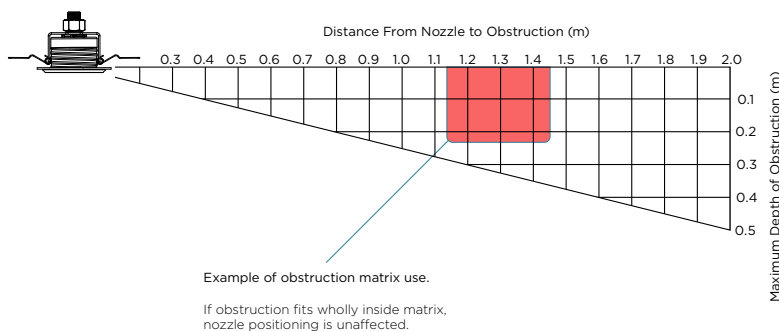
b) Pitch above 30°



Installation Notes

- ¹ When installing iCO[®] misting nozzles on sloped ceilings, the position of the nozzle should be determined by the pitch of the ceiling.
- ² Where the pitch is below 30° iCO[®] nozzles should be mounted at standard spacing when measured in line with the pitch of the ceiling.
- ³ 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.
- ⁴ All nozzles should be mounted perpendicular to the ceiling as shown.

Nozzle Distance to Obstructions



Installation Notes

- ¹ Nozzles should be positioned at least 500mm away from a pendant light fitting.

Maintenance and Storage

- ¹ The nozzle should be maintained in accordance with BS EN 14972.
- ² Minimum/Maximum ambient temperature 4°C/40°C.

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Patents pending: UAE

Contact us

@ enquiries@ico-products.com

 ico-products.com

 [@ico-products](https://www.instagram.com/ico-products)

 iCO Products Ltd
Unit 9 Cordwallis Business Park
Clivemont Road
Maidenhead
Berkshire
SL6 7BU



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