

HALO® 2 Product Datasheet

Pump unit, nozzles, performance data and installation space

HALO® 2 is an automatic high-pressure water mist fire suppression system for domestic and residential buildings. A compact pump set feeds concealed ceiling spray heads through small-bore high-pressure hose. When a fire operates a spray head, the system starts automatically and discharges a fine water mist over the fire.

- Fire tested by the FPA to **BS 8458:2015 Annex C** (report 103857.001), tests a to e including the open room test
- Uses as little as **11 L/min** of mains water
- Concealed 57 °C fast-response spray heads; small-bore flexible hose, ideal for retrofit



100 bar

OPERATING PRESSURE

11 L/min

PUMP FLOW

57 °C

FAST-RESPONSE BULB

16 m²

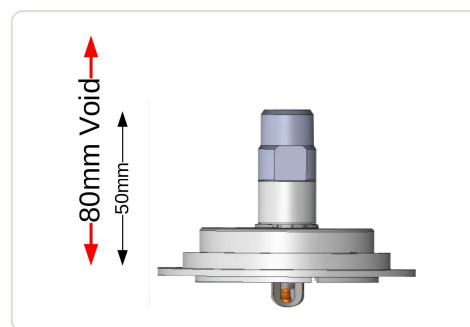
COVERAGE PER HEAD

01 Pump unit

PARAMETER	SPECIFICATION
Operating pressure	100 bar (nominal)
Pump flow	11 L/min
Incoming supply	11 L/min at min. 1 bar running; max. 10 bar (6 L/min with Home Boost Pump)
Inlet connection	15 mm copper
Electrical supply	230 V AC dedicated circuit, 16 A Type C (RCBO / dedicated RCD)
Supply cable	1.5 mm ² FP200 or equivalent
Run time	30 min (default) or continuous
Outputs	Sounder; volt-free relays for fire alarm
Power failure	Audible fault alarm
Size (L × W × H)	500 × 300 × 300 mm
Weight	28 kg

02 Spray heads

PARAMETER	SPECIFICATION
Part number	QF-H2.0-100-0000
Activation	57 °C fast-response bulb (FP 2, 16 mm)
Coverage	4.0 × 4.0 m (16 m²) per head
K-factor	0.9 (9 L/min at 100 bar)
Operating pressure	35 – 100 bar
Spray angle	108° (54° from vertical)
Connection	¼ BSP 60° cone
Trim plate / hole	Ø80 mm / Ø67 mm
Min. ceiling void	80 mm
Finish	White; brass body, stainless internals



Spray head – side view



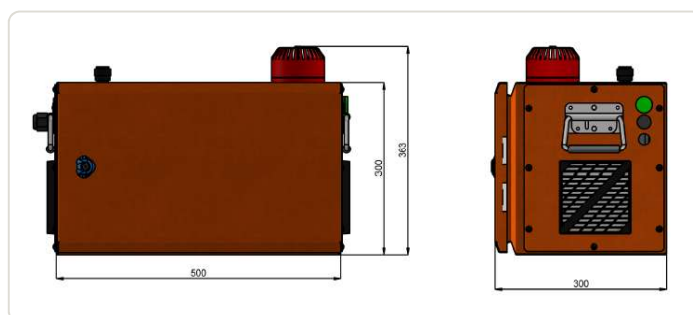
Spray head – installed view

03 Performance data

ITEM	VALUE
Test standard	BS 8458:2015 Annex C, FPA report 103857.001
Fire tests passed	a to e: corner, between nozzles, beneath a nozzle, ventilation, open room
Limits (BS 8458 Table 3)	Rooms up to 80 m²; ceilings up to 3.5 m
Tested ceiling height	2.5 m
Design basis	Max. two spray heads operating
Head spacing	2.0–4.0 m apart; max. 2.0 m from walls

04 Installation space

- Footprint 500 × 300 mm on a flat, level surface
- Clearances: 300 mm above, 150 mm each side and in front
- Fire-separated cupboard or room, or where unlikely to be affected by fire
- Protected from flooding and kept above 4 °C; readily accessible for servicing
- Dedicated mains water connection taken before other draw-offs, and a dedicated 230 V circuit with rotary isolator



Pump unit dimensions (mm)