



# S-Line Smoke Hatch



Access through technology

**SALCO** 

# Smoke Vent

## Your Ultimate Solution for Rapid Smoke Exhaust

In cold stores or freezer rooms, a fire can escalate quickly. Immediate smoke and heat evacuation is essential to protect people, products, and property. That's where our smoke vent steps in. Engineered for fast, reliable activation and high thermal efficiency, it's the ideal choice for demanding environments where safety and performance matter most.

### Rapid Emergency Response

The smoke ventilation hatch opens to a full 100° in just 17 seconds. Its high-performance pneumatic drive system (operating at 7–60 bar) ensures immediate smoke and heat evacuation, protecting lives and property when it matters most.

### Reliable Performance

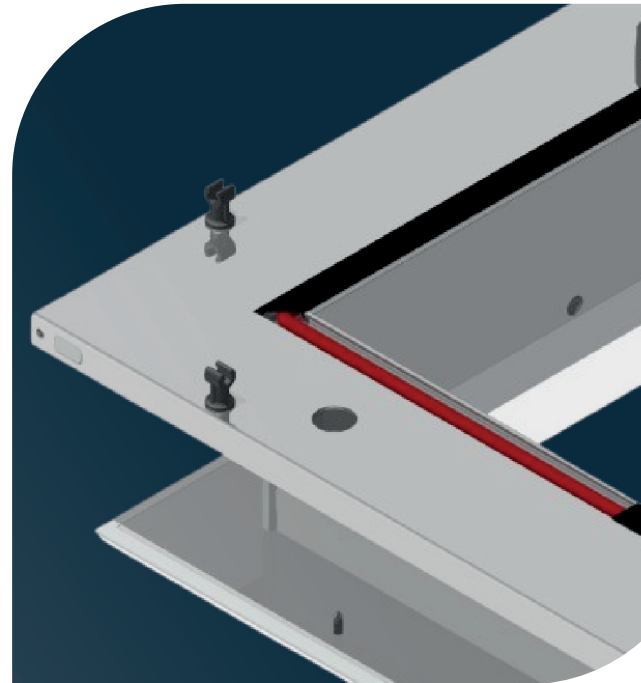
Certified to EN 12101-2:2003, the hatch has been rigorously tested to maintain operation under extreme low-temperature conditions, ensuring reliable performance even in the most challenging environments.

### Enhanced Thermal Efficiency

With a robust 100 mm thick door leaf constructed around an insulating core and flanked by 4 mm aluminium composite panels, our hatch achieves an excellent R-value of approximately 4.03 (m<sup>2</sup>·K/W). The design minimizes heat loss, ensuring efficient temperature control.

### Technical Specifications

Dimensions	The hatch is available in three sizes—850 × 1700 mm, 1000 × 2000 mm, and 1150 × 2300 mm.
Aerodynamic Free Areas	850 × 1700 mm: 0.88 m <sup>2</sup> 1000 × 2000 mm: 1.20 m <sup>2</sup> 1150 × 2300 mm: 1.59 m <sup>2</sup>
Door Leaf	100 mm thick, featuring an insulated core with 4 mm aluminium composite panels on both sides.
Sealing	Continuous rubber profiles provide a secure seal
Colour	Finished in tones resembling RAL 9016 (white) or RAL 9002 (grey/white), ensuring the hatch complements modern architectural designs.
Thermal Bridge-Free Frame	Anodised aluminium profiles ensure optimal insulation and a streamlined installation process.
Frame Panel Compatibility	Suitable for wall thicknesses of 100–149 mm or 150–200 mm.
Optional Frame Heating	Available for freezer applications (230v), while excluded for chiller installations.
Pneumatic Operation	Reliable drive system operating between 7–60 bar inlet pressure.
Cylinder	SMC CG1UN40TF-680Z-XB6 with a 680 mm stroke, delivering precise and consistent performance.
Lock Mechanism	Pneumatic lock (BSC TS 6000-P) for secure operation.
Opening Angle & Duration	Full 100° opening in 17 seconds.



### Certified Safety

The smoke ventilation hatch meets the EN 12101-2:2003 standard for natural smoke and heat exhaust ventilators and complies with additional safety requirements outlined in EN 13501-1:2018 and EN 11925-2:2020, ensuring reliable, high-performance operation even under adverse conditions.

## Get in Touch

For more information or to discuss how the smoke vent can solve your ventilation challenges, contact us:

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