

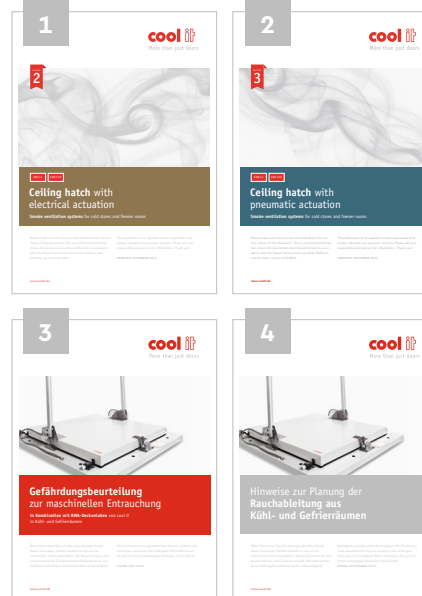
Whenever a reliable thermal room sealing point is required to guarantee hygiene, cool it has proven itself to be a strong partner for the past 35 years.

And cool it also excels with innovative solutions in the field of fire protection doors and smoke and heat ventilation systems for the foodstuffs and pharmaceuticals industries. There are more than ten years of experience underpinning every cool it evacuation hatch. High-grade, tried and tested smoke and heat exhaust ventilators for use in internal suspend sealing in cold stores and freezer rooms (-28 °C) are the result of continuous development – as attested by the MPA NRW.



Detailed information can be obtained in the following brochures:

- 1 Ceiling hatch with electric drive
- 2 Ceiling hatch with pneumatic drive
- 3 Hazard assessment for mechanical evacuation
- 4 Information regarding planning of smoke ventilation from cold stores and freezer rooms



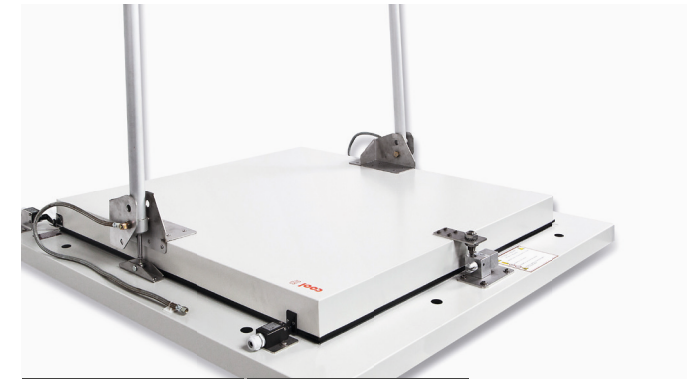
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cool it
More than just doors



RWA12

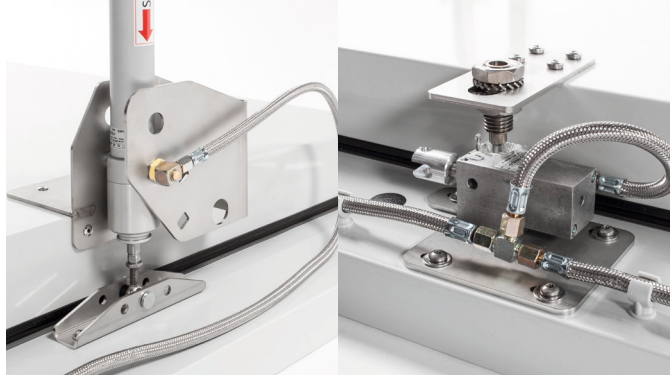
RWA12H

Natural Smoke and Heat Exhaust Ventilators

for installation in internal suspend sealing of cold stores and freezer rooms according to EN 12101-2:2003

**SMOKE VENTILATION
SYSTEMS FOR COLD STORES
AND FREEZER ROOMS**





TECHNICAL INFORMATION

Dimensions	1280 mm × 2500 mm
Drive system	pneumatic, electric (24V)
Insulation	120 mm polyurethane B2 according to DIN 4102-1
Outer hatch sheet material for ceiling hatch	Galvanised 0.8 mm sheet steel, plastic-coated, stainless steel 1.4509, 1.4301
Frame	PVC, Thermotec frame 150 × 50 mm
Opening angle	77 °/63 °/48 °/41 °
Cylinder stroke	600 mm
Opening duration	pneumatic: 2 sec.; electric: 45 sec.
Cold store/freezer room design	> +4 °C (cold store RWA12) -28 °C to +4 °C (freezer room RWA12H)
Temperature of thermal triggering device	Standard: TAG to -25 °C 68 °C (pneumatic only)

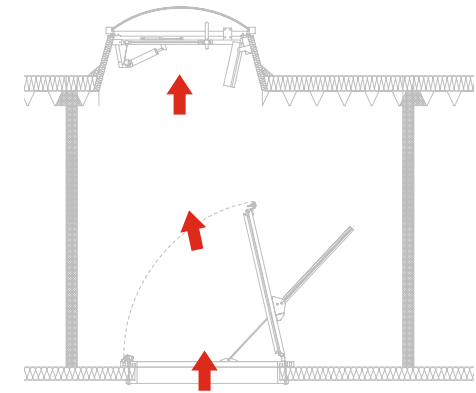
CLASSIFICATION ACCORDING TO DIN EN 12101-2

Constancy of Performance Certificate	0430-CPR-00514-01
Aerodynamic, free area A_a	2.016 m ² /1.824 m ² / 1.600 m ² /1.472 m ²
Operational reliability without external load	RE 100 (type A)
Operational reliability ventilation position	npd
Operational reliability under snow load	SL 0
Operational reliability at low ambient temperatures	T (-20) with SL 0
Opening under wind load	WL 0
Resistance to heat and mechanical stability	B ₃₀₀ 30
Reaction to fire	Class E
Installation position to horizontals	0 °

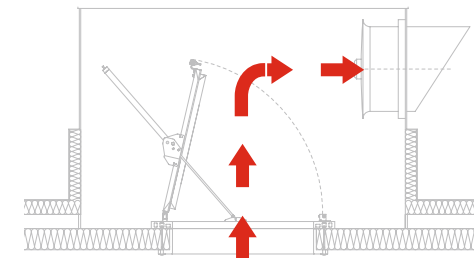
OPTIONALLY AVAILABLE

Door contact switch	For monitoring of opened and closed position
Fall-arrester	Paragraph § 12 BGV C 22 (previously VBG 37): DIN EN 13374:2013 DIN EN ISO 14122-3:2002
Power supply DIN EN 12101-10	electric: redundant USP
Heater monitoring	RWA12H only
Fire-protection switch	according to DIN VDE 0100-420

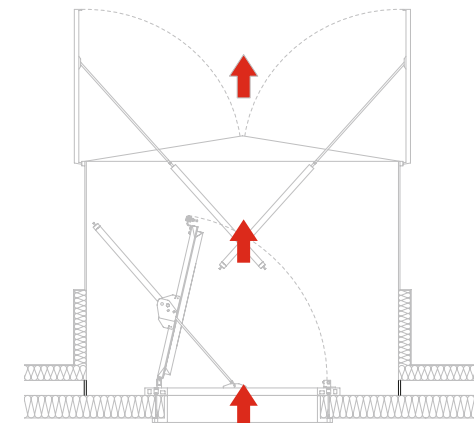
INSTALLATION EXAMPLES



Example of installation in internal suspend sealing with housing for smoke and gas ventilation



Assisted cold store smoke evacuation by way of evacuation fans



Schematic diagram of "roof hood" with NRWG and cool it hatch