**24**
HR
NEXT DAY
DESPATCH **SMOKE**
VENTILATION **ENVIRO**
VENTILATION **24V**
POWER INPUT **400 Series**
COMPATIBLE **O Range**
COMPATIBLE **1000-G**
COMPATIBLE **2000-CP**
COMPATIBLE **E120**
TESTED

About This Product

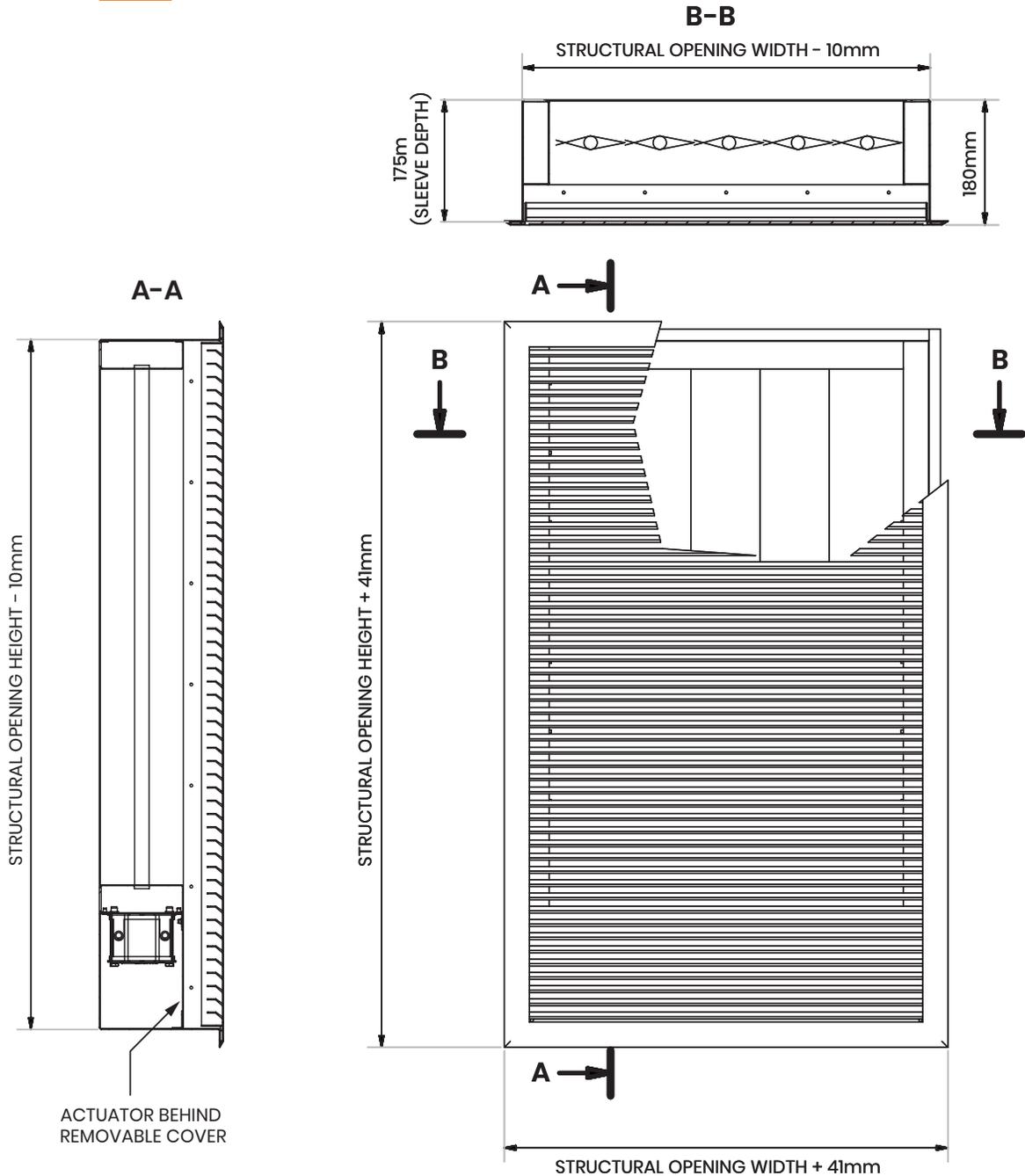
The Ventec SCD LD Smoke Control Damper has been developed for use in smoke control systems serving multi-storey buildings – for both domestic and commercial smoke extraction shafts, where mechanical ventilation is used. These shafts can be dry wall or masonry/concrete construction.

The lobby damper assembly consists of two parts; damper and grille. The main sleeved damper with peripheral flange allows it to be fitted flush into the builders aperture. A 24Vdc 'power open/power closed' actuator is used to drive the damper blades from the normal closed position to the fully open position. All damper internal surfaces are spray painted matt black to allow discreet installation behind the supplied aesthetic grille.

Product Highlights

- Cyclic tested for 10,000 operations
- Actuator hidden from view with easy access for maintenance
- Auxiliary contacts for position monitoring
- Matt black finish for discreet aesthetic
- Supplied with neutral coloured grille – RAL options available

Damper & Grille Dimensions



Nominal Sizes*

Minimum Width	400mm
Maximum Width	1200mm
Minimum Height	600mm
Maximum Height	1425mm

*Sizes refer to structural opening and are typically available in 50mm increments. The actual damper sizes are 10mm below the aperture size.

Technical Data

	Ventec SCD LD
Nominal Voltage	24Vdc
Nominal Voltage Frequency	50/60Hz
Power Consumption In Operation	12 watts
Power Consumption In Rest Position	0.5 watts
Power Consumption For Wire Sizing	18VA
Power Consumption For Wire Sizing Note	I _{max} 8.2A @ 5 ms
Auxiliary Switch	2 x SPDT
Connection Supply/Control	Cable 1m, 3 x 0.75mm ² , halogen-free
Connection Auxiliary Switch	Cable 1m, 6 x 0.75mm ² , halogen-free
Durability Of Operation	Min. 10,000 cycles
Protection Class IEC/EN	III Safety Extra-Low Voltage (SELV)
Protection Class Auxiliary Switch IEC/EN	II reinforced insulation
Degree Of Protection IEC/EN	IP54
EMC	CE according to 2014/30/EU
Low Voltage Directive	CE according to 2014/35/EU
Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
Rated Impulse Voltage Supply/Control	0.8 kV
Rated Impulse Voltage Auxiliary Switch	2.5 kV
Control Pollution Degree	3
Ambient Temperature	-30°C to 50°C
Non-Operating Temperature	-40°C to 80°C
Ambient Humidity	Max. 95% r.h. non-condensing

SHAFT DAMPER
Geometric Free Area (aperture sizes are in mm and Area in m²)

		Structural Opening Width (mm)										COLOUR KEY
		400	500	600	700	800	900	1000	1100	1200	1210	
Structural Opening Height (mm)	600	0.06	0.11	0.13	0.16	0.19	0.21	0.24	0.27	0.29	0.29	< 0.4 m ² < 0.4–0.59 m ² < 0.6–0.99 m ² > 1.00 m ²
	700	0.08	0.14	0.17	0.21	0.24	0.28	0.31	0.34	0.38	0.38	
	800	0.11	0.17	0.21	0.26	0.30	0.34	0.38	0.42	0.47	0.47	
	900	0.13	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.55	
	1000	0.16	0.23	0.29	0.35	0.41	0.47	0.52	0.58	0.64	0.64	
	1100	0.18	0.27	0.33	0.40	0.46	0.53	0.60	0.66	0.73	0.73	
	1200	0.21	0.30	0.37	0.45	0.52	0.59	0.67	0.74	0.82	0.82	
	1300	0.23	0.33	0.41	0.49	0.58	0.66	0.74	0.82	0.90	0.90	
	1400	0.25	0.36	0.45	0.54	0.63	0.72	0.81	0.90	0.99	0.99	
	1425	0.26	0.37	0.46	0.55	0.65	0.74	0.83	0.92	1.01	1.01	

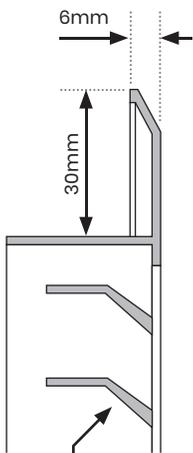
Weight Chart (including actuator and grille – kg)

		Structural Opening Width (mm)									
		400	500	600	700	800	900	1000	1100	1200	
Structural Opening Height (mm)	600	18	21	23	26	29	32	34	37	40	
	700	20	23	26	29	32	34	37	40	43	
	800	21	25	28	31	34	37	41	44	47	
	900	23	27	30	33	37	40	44	47	51	
	1000	25	29	32	36	39	43	47	50	54	
	1100	27	30	34	38	42	46	50	54	57	
	1200	28	33	37	41	45	49	53	57	61	
	1300	30	34	39	43	47	52	56	60	65	
	1400	32	36	41	46	50	55	59	64	68	

Compliance

- BS EN 12101-8:2011 certified
- Tested to BS EN1366-10
- Classified to BS EN 13501-4
- Achieving: E (120 V_{ew} i ↔ o) S 1000 C10,000 AA Multi

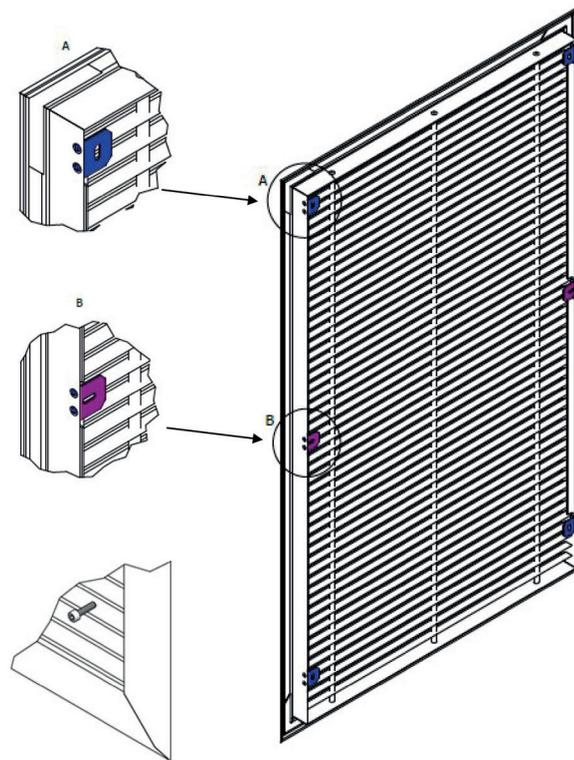
Grille Detail



40° angled blades at 19mm pitch

The Ventec SCD LD grille has been designed to maximise the airflow while preventing physical interference with the damper blades. The grille is affixed to the damper with concealed colour matched fixings. RAL 9010 white is offered as a neutral standard colour with other RAL colours available on request.

Grille fixing screws pass through the grille blades and into the grille fixing bracket.



Smoke ventilation systems require regular testing and record-keeping by authorised, competent persons.



...by "Accredited" and "certified smoke vent engineers only"

*REFERENCE:
DAME JUDITH HACKITT REPORT



Related Products and Services

The following should also be considered when planning your system.



400 SERIES
BATTERY BACK-UP



VENTEC O RANGE
COMPATIBLE



VENTEC 1000-G
COMPATIBLE



VENTEC 2000-CP
COMPATIBLE



INSTALLATION
& MAINTENANCE



PROJECT
COMMISSIONING