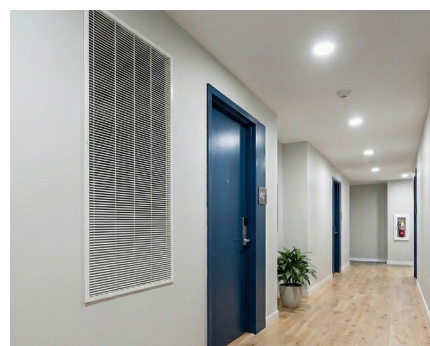


Vents / Shaft Vents

SV-W-D1

Smoke Control Damper

SV-W-D1 Smoke Control Dampers maximise free area to support natural smoke extract systems in multi-storey buildings. Installed in extract shafts, they help maintain safe escape routes during fire. ES classified to EN 1366-10, with 24V or 230V actuators.



Wide Range of Sizes

The smoke damper is available in over 400 sizes, with widths from 350–1100 mm and heights from 1000–2300 mm, allowing accurate selection to suit a wide range of structural opening requirements.



Application



Natural
Smoke
Ventilation

Compliance

EN 1366-10, ES classified to BS EN 13501-4 and CE marked to BS EN 12101-8, with Class C case leakage and Class 2 blade leakage to BS EN 1751.

Part Codes

This product is available in many sizes. Use the guide below to create the correct part code.

Part Code Format

SV-W-D1-[WIDTH]X[HEIGHT]

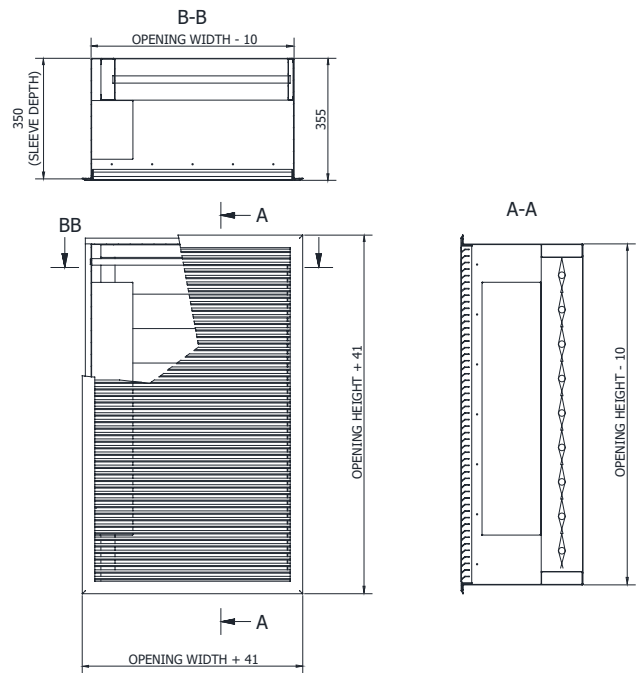
WIDTH = width in millimetres (mm)

HEIGHT = height in millimetres (mm)

Important Size Information

- The dimensions used in the part code are the finished structural opening dimensions
- The product is manufactured slightly smaller to allow it to fit into the opening

Do not deduct any clearance when ordering.
Order using the exact finished opening size.



Examples

SV-W-D1-1100X1400	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1400mm (h) 1.03m ²
SV-W-D1-1100X1450	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1450mm (h) 1.03m ²
SV-W-D1-1100X1500	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1500mm (h) 1.11m ²
SV-W-D1-1100X1550	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1550mm (h) 1.11m ²
SV-W-D1-1100X1600	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1600mm (h) 1.19m ²
SV-W-D1-1100X1650	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1650mm (h) 1.19m ²
SV-W-D1-1100X1700	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1700mm (h) 1.26m ²
SV-W-D1-1100X1750	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1750mm (h) 1.26m ²
SV-W-D1-1100X1800	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1800mm (h) 1.34m ²
SV-W-D1-1100X1850	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1850mm (h) 1.34m ²
SV-W-D1-1100X1900	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1900mm (h) 1.42m ²
SV-W-D1-1100X1950	SV-W-D1 Smoke Damper with Grille 1100mm (w) x 1950mm (h) 1.42m ²

For the full list of available sizes refer to 'Structural Opening Sizes & Free Areas' table

Structural Opening Sizes & Free Areas

Height (mm)	Width (mm)										
	600	650	700	750	800	850	900	950	1000	1050	1100
1000	0.36m²	0.39m²	0.43m²	0.46m²	0.50m²	0.53m²	0.57m²	0.61m²	0.64m²	0.68m²	0.71m²
1050	0.36m²	0.39m²	0.43m²	0.46m²	0.50m²	0.53m²	0.57m²	0.61m²	0.64m²	0.68m²	0.71m²
1100	0.39m²	0.43m²	0.47m²	0.51m²	0.55m²	0.59m²	0.63m²	0.67m²	0.71m²	0.75m²	0.79m²
1150	0.39m²	0.43m²	0.47m²	0.51m²	0.55m²	0.59m²	0.63m²	0.67m²	0.71m²	0.75m²	0.79m²
1200	0.43m²	0.48m²	0.52m²	0.56m²	0.61m²	0.65m²	0.70m²	0.74m²	0.78m²	0.83m²	0.87m²
1250	0.43m²	0.48m²	0.52m²	0.56m²	0.61m²	0.65m²	0.70m²	0.74m²	0.78m²	0.83m²	0.87m²
1300	0.47m²	0.52m²	0.57m²	0.62m²	0.66m²	0.71m²	0.76m²	0.81m²	0.85m²	0.90m²	0.95m²
1350	0.47m²	0.52m²	0.57m²	0.62m²	0.66m²	0.71m²	0.76m²	0.81m²	0.85m²	0.90m²	0.95m²
1400	0.51m²	0.56m²	0.62m²	0.67m²	0.72m²	0.77m²	0.82m²	0.87m²	0.92m²	0.98m²	1.03m²
1450	0.51m²	0.56m²	0.62m²	0.67m²	0.72m²	0.77m²	0.82m²	0.87m²	0.92m²	0.98m²	1.03m²
1500	0.55m²	0.61m²	0.66m²	0.72m²	0.77m²	0.83m²	0.88m²	0.94m²	1.00m²	1.05m²	1.11m²
1550	0.55m²	0.61m²	0.66m²	0.72m²	0.77m²	0.83m²	0.88m²	0.94m²	1.00m²	1.05m²	1.11m²
1600	0.59m²	0.65m²	0.71m²	0.77m²	0.83m²	0.89m²	0.95m²	1.01m²	1.07m²	1.13m²	1.19m²
1650	0.59m²	0.65m²	0.71m²	0.77m²	0.83m²	0.89m²	0.95m²	1.01m²	1.07m²	1.13m²	1.19m²
1700	0.63m²	0.69m²	0.76m²	0.82m²	0.88m²	0.95m²	1.01m²	1.07m²	1.14m²	1.20m²	1.26m²
1750	0.63m²	0.69m²	0.76m²	0.82m²	0.88m²	0.95m²	1.01m²	1.07m²	1.14m²	1.20m²	1.26m²
1800	0.67m²	0.74m²	0.80m²	0.87m²	0.94m²	1.01m²	1.07m²	1.14m²	1.21m²	1.28m²	1.34m²
1850	0.67m²	0.74m²	0.80m²	0.87m²	0.94m²	1.01m²	1.07m²	1.14m²	1.21m²	1.28m²	1.34m²
1900	0.71m²	0.78m²	0.85m²	0.92m²	0.99m²	1.07m²	1.12m²	1.21m²	1.28m²	1.35m²	1.42m²
1950	0.71m²	0.78m²	0.85m²	0.92m²	0.99m²	1.07m²	1.12m²	1.21m²	1.28m²	1.35m²	1.42m²
2000	0.75m²	0.82m²	0.90m²	0.97m²	1.05m²	1.12m²	1.20m²	1.27m²	1.35m²	1.43m²	1.50m²
2050	0.75m²	0.82m²	0.90m²	0.97m²	1.05m²	1.12m²	1.20m²	1.27m²	1.35m²	1.43m²	1.50m²
2100	0.79m²	0.87m²	0.95m²	1.02m²	1.10m²	1.18m²	1.26m²	1.34m²	1.42m²	1.50m²	1.58m²
2150	0.79m²	0.87m²	0.95m²	1.02m²	1.10m²	1.18m²	1.26m²	1.34m²	1.42m²	1.50m²	1.58m²
2200	0.83m²	0.91m²	0.99m²	1.08m²	1.16m²	1.24m²	1.33m²	1.41m²	1.49m²	1.57m²	1.66m²
2250	0.83m²	0.91m²	0.99m²	1.08m²	1.16m²	1.24m²	1.33m²	1.41m²	1.49m²	1.57m²	1.66m²
2300	0.87m²	0.95m²	1.04m²	1.13m²	1.21m²	1.30m²	1.39m²	1.48m²	1.56m²	1.65m²	1.74m²

Alternative sizes available:

Minimum Width = 300mm / Maximum Width = 1100mm

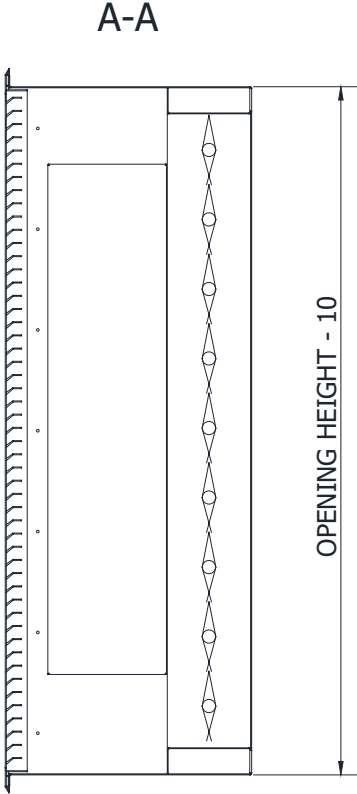
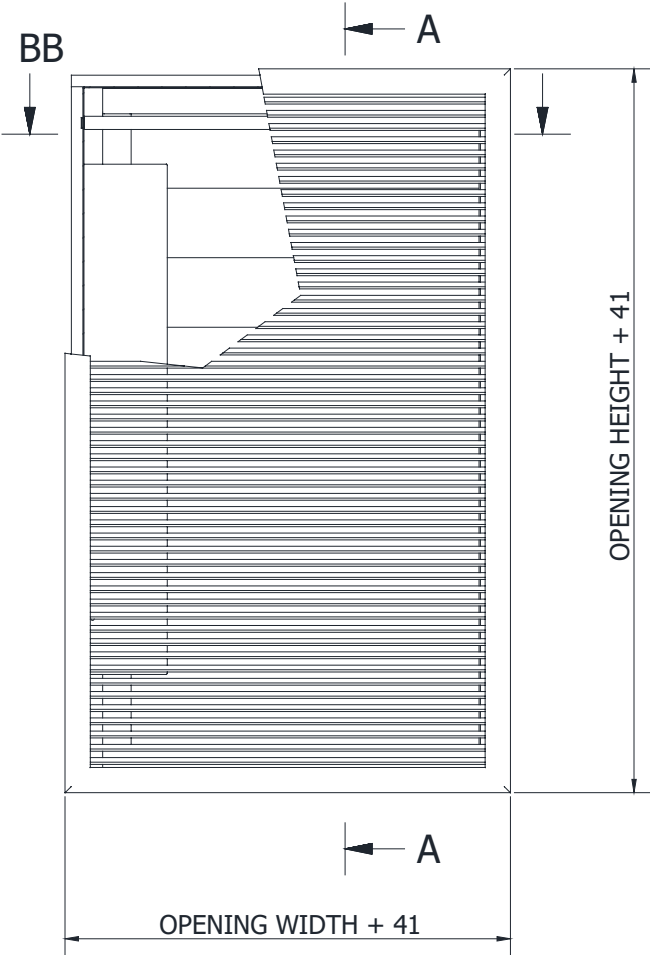
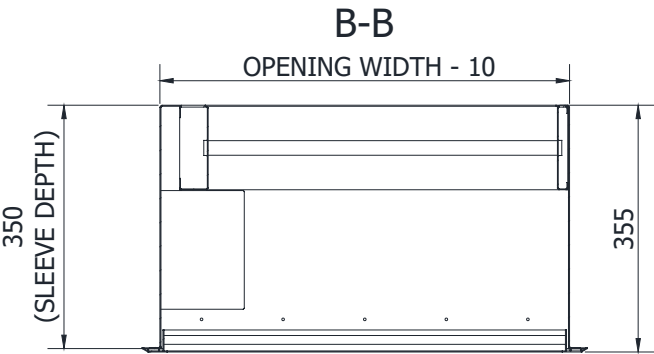
Minimum Height = 1000mm / Maximum Height = 2300mm

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Technical Data

Casing	1.5mm galvanised steel
Blades	0.7mm galvanised double skin
Free Area	0.14 - 1.66m ² (depending on vent size)
Motor	Belimo BE24
Voltage	24V DC
Opening Speed	> 60 secs
Current Consumption	0.5 Amp
Certification	CE marked certificated to EN12101 8, Tested to EN1366-10 and classified to EN13501-4. Achieving: E (120 Vew i-+o) S 1000 C10,000 AA Multi Enclosed actuator and linkage mechanism.
Cable Dimension	3-Core
Delivery Includes	1 x Vent, 1 x Cover Grille & 1 x BE24 Actuator
Colour	White (Cover Grille) Custom colours are available upon request.

Dimensions



Recommended Controls



SCP500

Control Unit



SCP800

Control Unit



WSC 520/540/560

Control Unit