

# SV-W-D5

The SV-W-D5 smoke damper has been designed for smoke evacuation and control within lobbies and are installed into extract shafts in multi-level buildings, to maintain tenable conditions in the common escape routes in the event of a fire. The dampers are designed to work in fan power extract systems. Air is pulled through the damper and into the extract shaft.



## Blades

0.7mm galvanised (BS EN10346 DX-51D+Z275) double skin matt black painted aerofoil 100mm pitch damper blades which interlock when closed.



## Application



Mechanical Ventilation

## Actuator Recess

Actuator is on lobby side, concealed from view behind a black painted removable cover and can be manually operated if required.

## Part Codes

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| SV-W-D5-400X600  | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 600mm (h) 0.06m <sup>2</sup>  |
| SV-W-D5-400X700  | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 700mm (h) 0.08m <sup>2</sup>  |
| SV-W-D5-400X800  | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 800mm (h) 0.11m <sup>2</sup>  |
| SV-W-D5-400X900  | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 900mm (h) 0.13m <sup>2</sup>  |
| SV-W-D5-400X1000 | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 1000mm (h) 0.16m <sup>2</sup> |
| SV-W-D5-400X1100 | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 1100mm (h) 0.18m <sup>2</sup> |
| SV-W-D5-400X1200 | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 1200mm (h) 0.21m <sup>2</sup> |
| SV-W-D5-400X1300 | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 1300mm (h) 0.23m <sup>2</sup> |
| SV-W-D5-400X1400 | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 1400mm (h) 0.25m <sup>2</sup> |
| SV-W-D5-400X1425 | SV-W-D5 Mechanical Smoke Damper with Grille 400mm (w) x 1425mm (h) 0.26m <sup>2</sup> |
| SV-W-D5-500X600  | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 600mm (h) 0.11m <sup>2</sup>  |
| SV-W-D5-500X700  | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 700mm (h) 0.14m <sup>2</sup>  |
| SV-W-D5-500X800  | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 800mm (h) 0.17m <sup>2</sup>  |
| SV-W-D5-500X900  | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 900mm (h) 0.20m <sup>2</sup>  |
| SV-W-D5-500X1000 | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 1000mm (h) 0.23m <sup>2</sup> |
| SV-W-D5-500X1100 | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 1100mm (h) 0.27m <sup>2</sup> |
| SV-W-D5-500X1200 | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 1200mm (h) 0.30m <sup>2</sup> |
| SV-W-D5-500X1300 | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 1300mm (h) 0.33m <sup>2</sup> |
| SV-W-D5-500X1400 | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 1400mm (h) 0.36m <sup>2</sup> |
| SV-W-D5-500X1425 | SV-W-D5 Mechanical Smoke Damper with Grille 500mm (w) x 1425mm (h) 0.37m <sup>2</sup> |
| SV-W-D5-600X600  | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 600mm (h) 0.13m <sup>2</sup>  |
| SV-W-D5-600X700  | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 700mm (h) 0.17m <sup>2</sup>  |
| SV-W-D5-600X800  | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 800mm (h) 0.21m <sup>2</sup>  |
| SV-W-D5-600X900  | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 900mm (h) 0.25m <sup>2</sup>  |
| SV-W-D5-600X1000 | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 1000mm (h) 0.29m <sup>2</sup> |
| SV-W-D5-600X1100 | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 1100mm (h) 0.33m <sup>2</sup> |
| SV-W-D5-600X1200 | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 1200mm (h) 0.37m <sup>2</sup> |
| SV-W-D5-600X1300 | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 1300mm (h) 0.41m <sup>2</sup> |
| SV-W-D5-600X1400 | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 1400mm (h) 0.45m <sup>2</sup> |
| SV-W-D5-600X1425 | SV-W-D5 Mechanical Smoke Damper with Grille 600mm (w) x 1425mm (h) 0.46m <sup>2</sup> |
| SV-W-D5-700X600  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 600mm (h) 0.16m <sup>2</sup>  |
| SV-W-D5-700X700  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 700mm (h) 0.21m <sup>2</sup>  |
| SV-W-D5-700X800  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 800mm (h) 0.26m <sup>2</sup>  |
| SV-W-D5-700X900  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 900mm (h) 0.30m <sup>2</sup>  |

## Part Codes

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| SV-W-D5-700X1000  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 1000mm (h) 0.35m <sup>2</sup>  |
| SV-W-D5-700X1100  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 1100mm (h) 0.40m <sup>2</sup>  |
| SV-W-D5-700X1200  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 1200mm (h) 0.45m <sup>2</sup>  |
| SV-W-D5-700X1300  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 1300mm (h) 0.49m <sup>2</sup>  |
| SV-W-D5-700X1400  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 1400mm (h) 0.54m <sup>2</sup>  |
| SV-W-D5-700X1425  | SV-W-D5 Mechanical Smoke Damper with Grille 700mm (w) x 1425mm (h) 0.55m <sup>2</sup>  |
| SV-W-D5-800X600   | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 600mm (h) 0.19m <sup>2</sup>   |
| SV-W-D5-800X700   | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 700mm (h) 0.24m <sup>2</sup>   |
| SV-W-D5-800X800   | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 800mm (h) 0.30m <sup>2</sup>   |
| SV-W-D5-800X900   | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 900mm (h) 0.35m <sup>2</sup>   |
| SV-W-D5-800X1000  | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 1000mm (h) 0.41m <sup>2</sup>  |
| SV-W-D5-800X1100  | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 1100mm (h) 0.46m <sup>2</sup>  |
| SV-W-D5-800X1200  | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 1200mm (h) 0.52m <sup>2</sup>  |
| SV-W-D5-800X1300  | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 1300mm (h) 0.58m <sup>2</sup>  |
| SV-W-D5-800X1400  | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 1400mm (h) 0.63m <sup>2</sup>  |
| SV-W-D5-800X1425  | SV-W-D5 Mechanical Smoke Damper with Grille 800mm (w) x 1425mm (h) 0.65m <sup>2</sup>  |
| SV-W-D5-900X600   | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 600mm (h) 0.21m <sup>2</sup>   |
| SV-W-D5-900X700   | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 700mm (h) 0.28m <sup>2</sup>   |
| SV-W-D5-900X800   | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 800mm (h) 0.34m <sup>2</sup>   |
| SV-W-D5-900X900   | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 900mm (h) 0.40m <sup>2</sup>   |
| SV-W-D5-900X1000  | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 1000mm (h) 0.47m <sup>2</sup>  |
| SV-W-D5-900X1100  | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 1100mm (h) 0.53m <sup>2</sup>  |
| SV-W-D5-900X1200  | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 1200mm (h) 0.59m <sup>2</sup>  |
| SV-W-D5-900X1300  | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 1300mm (h) 0.66m <sup>2</sup>  |
| SV-W-D5-900X1400  | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 1400mm (h) 0.72m <sup>2</sup>  |
| SV-W-D5-900X1425  | SV-W-D5 Mechanical Smoke Damper with Grille 900mm (w) x 1425mm (h) 0.74m <sup>2</sup>  |
| SV-W-D5-1000X600  | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 600mm (h) 0.24m <sup>2</sup>  |
| SV-W-D5-1000X700  | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 700mm (h) 0.31m <sup>2</sup>  |
| SV-W-D5-1000X800  | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 800mm (h) 0.38m <sup>2</sup>  |
| SV-W-D5-1000X900  | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 900mm (h) 0.45m <sup>2</sup>  |
| SV-W-D5-1000X1000 | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 1000mm (h) 0.52m <sup>2</sup> |
| SV-W-D5-1000X1100 | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 1100mm (h) 0.60m <sup>2</sup> |
| SV-W-D5-1000X1200 | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 1200mm (h) 0.67m <sup>2</sup> |
| SV-W-D5-1000X1300 | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 1300mm (h) 0.74m <sup>2</sup> |

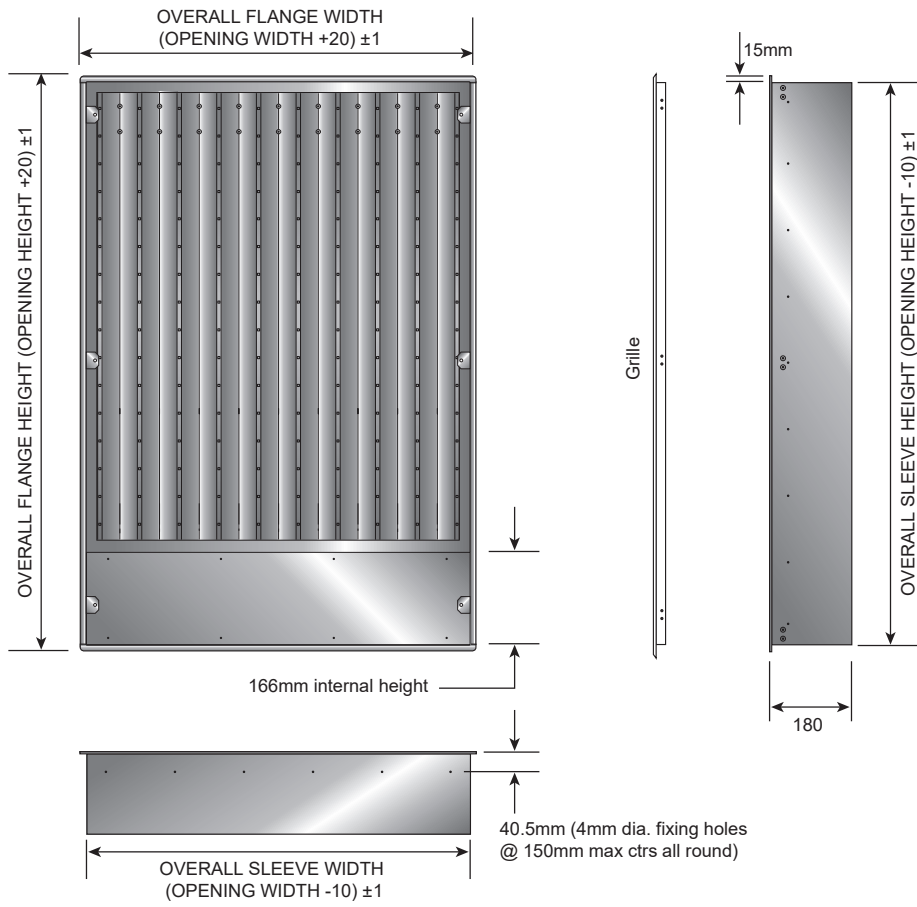
## Part Codes

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| SV-W-D5-1000X1400 | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 1400mm (h) 0.81m <sup>2</sup> |
| SV-W-D5-1000X1425 | SV-W-D5 Mechanical Smoke Damper with Grille 1000mm (w) x 1425mm (h) 0.83m <sup>2</sup> |
| SV-W-D5-1100X600  | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 600mm (h) 0.27m <sup>2</sup>  |
| SV-W-D5-1100X700  | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 700mm (h) 0.34m <sup>2</sup>  |
| SV-W-D5-1100X800  | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 800mm (h) 0.42m <sup>2</sup>  |
| SV-W-D5-1100X900  | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 900mm (h) 0.50m <sup>2</sup>  |
| SV-W-D5-1100X1000 | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 1000mm (h) 0.58m <sup>2</sup> |
| SV-W-D5-1100X1100 | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 1100mm (h) 0.66m <sup>2</sup> |
| SV-W-D5-1100X1200 | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 1200mm (h) 0.74m <sup>2</sup> |
| SV-W-D5-1100X1300 | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 1300mm (h) 0.82m <sup>2</sup> |
| SV-W-D5-1100X1400 | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 1400mm (h) 0.90m <sup>2</sup> |
| SV-W-D5-1100X1425 | SV-W-D5 Mechanical Smoke Damper with Grille 1100mm (w) x 1425mm (h) 0.92m <sup>2</sup> |
| SV-W-D5-1200X600  | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 600mm (h) 0.29m <sup>2</sup>  |
| SV-W-D5-1200X700  | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 700mm (h) 0.38m <sup>2</sup>  |
| SV-W-D5-1200X800  | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 800mm (h) 0.47m <sup>2</sup>  |
| SV-W-D5-1200X900  | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 900mm (h) 0.55m <sup>2</sup>  |
| SV-W-D5-1200X1000 | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 1000mm (h) 0.64m <sup>2</sup> |
| SV-W-D5-1200X1100 | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 1100mm (h) 0.73m <sup>2</sup> |
| SV-W-D5-1200X1200 | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 1200mm (h) 0.82m <sup>2</sup> |
| SV-W-D5-1200X1300 | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 1300mm (h) 0.90m <sup>2</sup> |
| SV-W-D5-1200X1400 | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 1400mm (h) 0.99m <sup>2</sup> |
| SV-W-D5-1200X1425 | SV-W-D5 Mechanical Smoke Damper with Grille 1200mm (w) x 1425mm (h) 1.01m <sup>2</sup> |

## Technical Data

|                     |                                                    |
|---------------------|----------------------------------------------------|
| Frame               | 1.5mm galvanised steel                             |
| Blades              | 0.7mm galvanised double skin                       |
| Geometric Free Area | 0.06 - 1.01m <sup>2</sup> (depending on vent size) |
| Voltage             | 24V DC                                             |
| Opening Speed       | > 60 secs                                          |
| Current Consumption | 0.5 Amp                                            |
| Certification       | EN 12101-8                                         |
| Cable Dimension     | 3-Core                                             |
| Delivery Includes   | 1 x Vent, 1 x Cover Grille & 1 x Actuator          |

## Dimensions



## Compatible Controls



### SCP500

Control Unit



### SCP800

Control Unit



### FlexiSmoke

Control Unit