

Air Control Products



- **VC Series** Volume Control Dampers
- **SS Series** Slim Seal Dampers
- **HD Series** Heavy Duty Dampers and HDLL Low Leakage Dampers
- **BD Series** Backdraught Dampers

For full product details, please refer to individual product brochures

MANUFACTURERS OF AIR, FIRE AND SMOKE CONTROL PRODUCTS



VC Series

Volume Control Dampers



Information

The VC Series Volume Control Damper has been designed to balance airflows in low to medium velocity H&V systems.

Flanged models have mechanically fixed 65mm deep casings, providing a robust, lightweight construction.

Testing

Test conditions - Classes A, B & C of Eurovent 2/2 Table 1. DW144 2016 Edition and BS EN 1751 Table C.2.

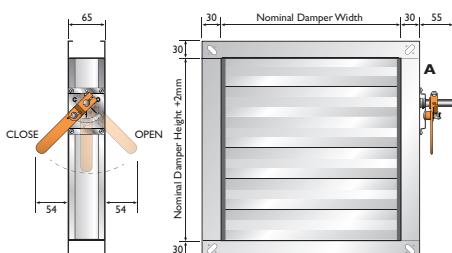
Normal operating conditions - not exceeding 1000Pa, Classes A & B of DW144 specifications will apply.

Features

- Galvanised mild steel casing as standard
- Stainless steel case options available
- Flanged and spigot case options
- Flanged galvanised option having Clinch corners
- 30mm flange detail as standard
- 50mm wide roll formed galvanised or stainless steel blades
- Spigot case options fully welded
- Clinch blade system minimise air turbulence and low generated noise
- Opposed blade action as standard with parallel action available on request
- Blade linkage located out of the airflow
- Nylon spindles running in extruded punch formed bearings
- Comprehensive control options
- Drive linkage system provides low friction blade operation
- Fitted side cover on drive side

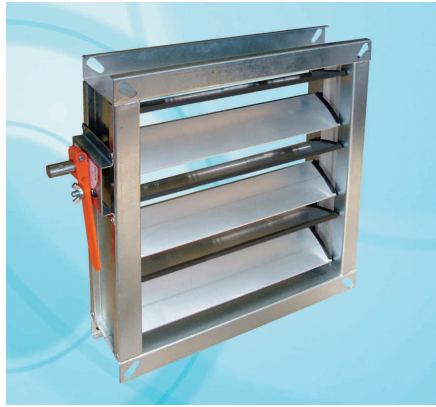
Sizes

Sizing capability from 100mm to 1000mm in either width or height and from 100mm diameter to 1000mm diameter.



SS Series

Slim Seal Dampers



Information

The SS Series Control and Low Leakage Damper has been designed for installation into air conditioning and ventilation systems where air balancing and low closed blade leakage characteristics are called for in low to medium pressure and velocity systems.

All models are suitable for DW144 pressure Classes A & B.

Testing

Test conditions - Classes A, B & C of Eurovent 2/2 Table 1. DW144 2016 Edition and BS EN 1751 Table C.2.

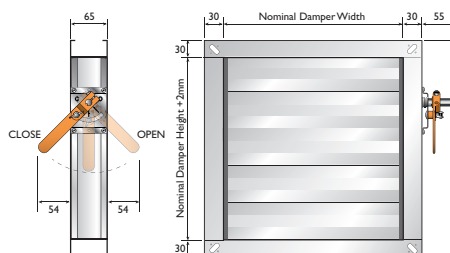
Normal operating conditions - not exceeding 1000Pa, Classes A & B of DW144 specifications will apply.

Features

- Galvanised mild steel casing as standard
- Flanged option only
- 30mm flange detail as standard
- Standard blade construction is 50mm wide extruded aluminium with TPE material compound blade edge seal
- Opposed blade action as standard
- Blade linkage located out of the airflow
- Nylon spindles and bearings
- Comprehensive control options
- Drive linkage system provides low friction blade operation
- Fitted side covers

Sizes

Sizing capability from 100mm to 1000mm in either width or height.



BD Series

Backdraught Dampers



Information

The BD Series Back Draught Damper has been designed to allow airflow in one direction and prevent reverse airflow. The blades are self opening subject to air velocity.

Blades are linked with a precise linkage, alleviating movement and subsequent rattling of individual blades.

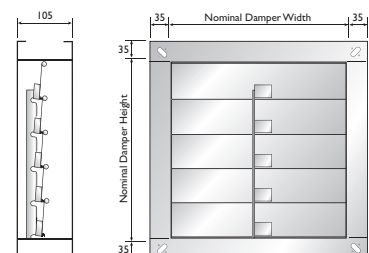
The nominal 60mm wide standard extruded aluminium blades are fitted onto 6.25mm diameter spindles, complete with blade edge brush seal fitted as standard. All blades are fitted for parallel operation only.

Features

- Galvanised mild steel casing as standard
- Flanged and spigot case options
- 30mm flange detail as standard
- Framefit model airflow options
- Extruded aluminium blades
- Blades are linked for uniform airflow
- Nylon blade bearings

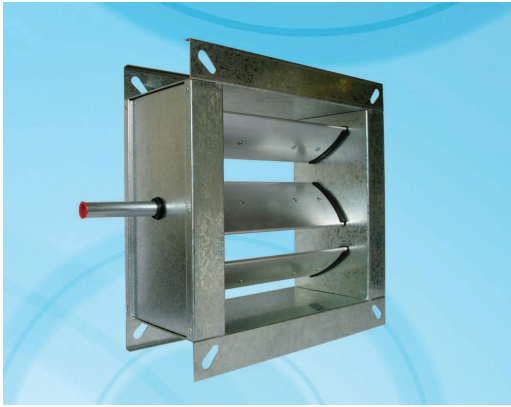
Sizes

Sizing capability from 100mm to 600mm widths and 100mm to 1000mm height. And from 100mm diameter to 600mm diameter.



HD Series

Heavy Duty Dampers



Information

The HD Series Multi-Leaf Volume Control Damper has been specifically designed for installation in systems where high air pressures and velocities are experienced.

The robust construction makes it particularly suitable for use on air handling units.

Manual quadrant control, motor option or 19mm dia. extended spindle for actuation by others are available as standard.

All models are suitable for DW144 pressure classes A, B & C.

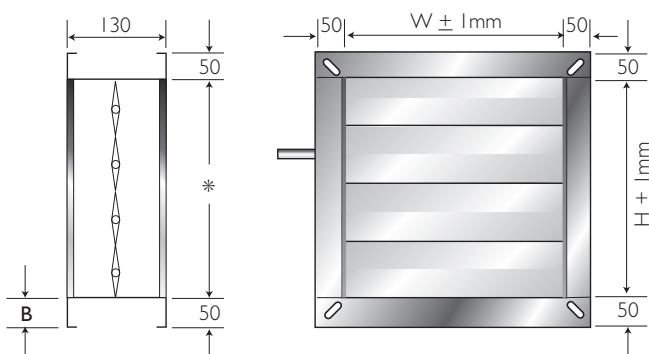
Features

- Galvanised mild steel casing as standard
- Standard case construction meets Class C of DW144
- Stainless steel case options available
- Flanged and spigot case options
- 130mm deep case as standard on flange option
- 100mm blade pitch
- Aluminium, galvanised or stainless steel blade options
- Out of airflow linkage
- Side covers fitted as standard
- Variable flange dimensions and casing widths
- Comprehensive control options

Sizes

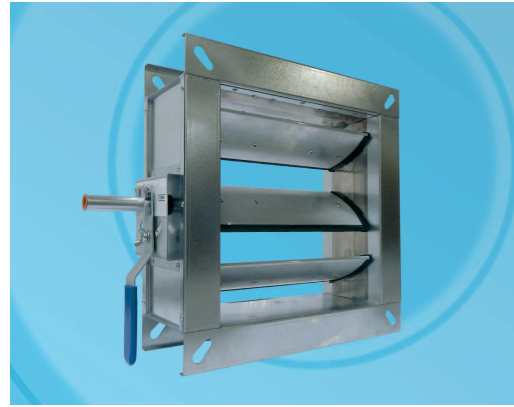
Sizing capability with a single drive, 100mm to 2400mm in width and from 100mm to 2000mm in height. 100mm diameter to 1400mm diameter.

* Galvanised and stainless steel blade options with dimensions in 100mm height multiples, please refer to main HD Series brochure.



HDLL Series

Low Leakage Dampers



HD-LL Information

The HD-LL Series low leakage damper has been designed for installation in air conditioning and ventilation systems requiring air control and low closed blade leakage performance.

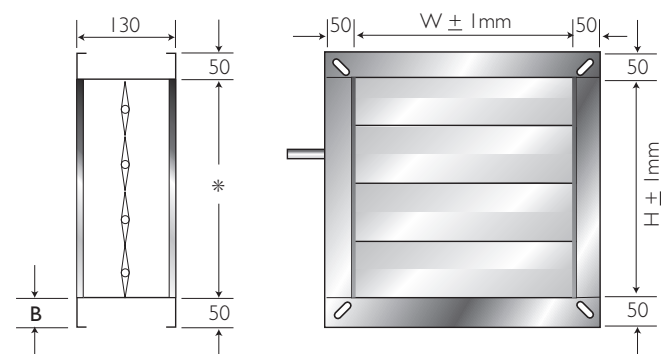
Dampers are supplied with aluminium blades only utilising a single blade edge seal to the trailing edge.

Features


- Standard case construction is galvanised mild steel
- Size range 100mm to 1000mm in width or height in a single section
- Aluminium blade with trailing edge seal
- 100mm blade size
- Four casing options
- Blade seals manufactured from a TPE compound
- Out of airflow linkage
- Easy conversion from manual to motorised and vice versa
- Balance and control dampers
- Variable flange dimensions and casing widths
- Comprehensive control options

Sizes

Sizing capability with a single drive and where low closed blade leakage is required (HDLL models low leakage), the maximum size with a single drive will be 1000mm x 1000mm. 100mm diameter to 1000mm diameter.



Ordering Codes



VC Series
Volume Control Dampers


VC F G - H

VC _____
Volume Control Damper

Model: _____
F Flange-Fit
S Rectangular/Square Spigot-Fit
C Circular Spigot-Fit
O Flat Oval Spigot-Fit

Blade Material: _____
G Galvanised Steel Aerofoil Blades
S Stainless Steel Aerofoil Blades (state Grade)

Control Options: _____
E Extended Spindle
H Hand Control
M Electric Motor (state voltage and model)
For Pneumatic option, please refer to HD brochure



BD Series
Backdraught Dampers


BD F A - J

BD _____
Backdraught Damper

Model: _____
F Flange-Fit
FF Frame-Fit
R Rectangular/Square
C Circular Spigot-Fit

Blade Material: _____
A Aluminium Blades

Options: _____
J Jamb Seals



HDLL Series
Low Leakage Dampers

HD - LL F AL E


HD _____
Heavy Duty Damper

Low Leakage Model: _____
LL Low Leakage

Model: _____
F Flange-Fit
S Rectangular/Square Spigot-Fit
C Circular Spigot-Fit

Blade Material: _____
AL Aluminium Aerofoil Low Leakage Blades

Control Options: _____
E Extended Spindle
H Hand Control
M Electric Motor (state voltage and model)
P Pneumatic Actuator Fitted



SS Series
Slim Seal Dampers


SS F30 A - E

SS _____
Slim Seal Damper

Model: _____
F30 Flange-Fit 30mm
F35 Flange-Fit 35mm

Blade Material: _____
A Aluminium Aerofoil Blades with Edge Seals)

Control Options: _____
E Extended Spindle
H Hand Control
M Electric Motor (state voltage and model)



HD Series
Heavy Duty Dampers

HD F G - E

HD _____
Heavy Duty Damper

Model: _____
F Flange-Fit
S Rectangular/Square Spigot-Fit
C Circular Spigot-Fit

Blade Material: _____
G Galvanised Mild Steel Aerofoil Blades
A Aluminium Aerofoil Blades
G Galvanised Steel Aerofoil Blades
S Stainless Steel Aerofoil Blades (state Grade)

Control Options: _____
E Extended Spindle
H Hand Control
M Electric Motor (state voltage and model)
P Pneumatic Actuator Fitted

Fire and Smoke Control Products in the BSB Range:

<p>A60 Series Marine Fire Damper</p> 	<p>FSD-C Series Circular Fire/Smoke Damper</p> 	<p>FSD-TD Series Fire and Smoke Damper</p> 	<p>FD Series Fire Damper</p> 	<p>FD-C Series Circular Fire Damper</p> 	<p>Control Systems</p> 
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For full details of the complete BSB Product Range, please refer to our individual product brochures, sales office or website.



BSB Engineering Services Limited

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For purchase orders and order related enquiries, please email: orders@bsb-dampers.co.uk

For pricing and general enquiries, please email: enquiries@bsb-dampers.co.uk

For technical enquiries, please email: technical@bsb-dampers.co.uk

Website: www.bsb-dampers.co.uk • A member of the Maico group

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