SS Series

SlimSeal regulating damper

Information

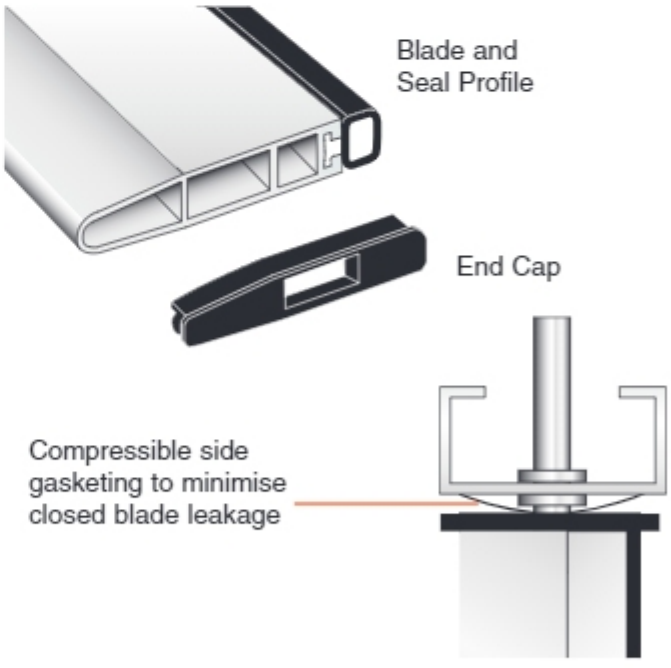
The SS Series Control and Low Leakage Damper has been designed for installation into air conditioning and ventilation systems where air balancing and low closed blade leakage characteristics are called for in standard low to medium pressure and velocity systems.

Its construction is robust, with detail to its application, performance and size as required by specifiers and contractors considered during development.

the selection of components and materials has been specific so as to ensure a high quality, low-maintenance product is manufactured and supplied.

Features and Benefits

- Standard case construction is galvanised mild steel
- Standard blade construction 50mm wide extruded aluminium with TPE material blade edge seals
- Standard out of airflow linkage
- Standard oppposed blade operation
- Standard blade end caps
- Optional stainless steel case grades 316 and 430
- Optional flange sizes
- Optional side seals grade 301
- Optional control



BSB Engineering Services Limited
Unit E, Tribune Drive, Trinity Trading Estate, Sittingbourne, Kent ME10 2PD
Tel: +44 (0)1795 422609 • Fax: +44 (0)1795 429543
Email: sales@bsb-dampers.co.uk • Website: www.bsb-dampers.co.uk

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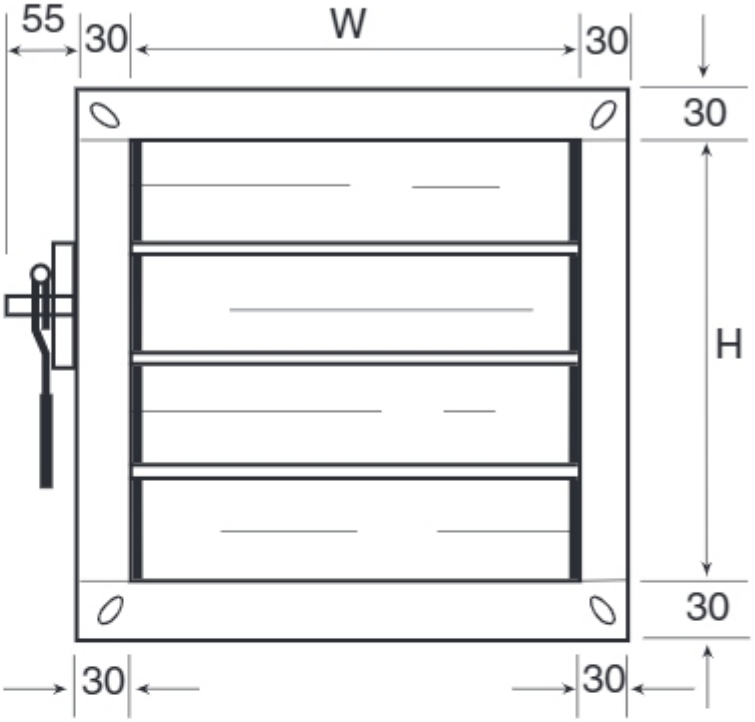

Casing
1.2mm (18swg) galvanised mild steel to BS EN 1034 DX 51D Z275.

Blades
Extruded airfoil aluminium to BS EN 755 Part 9 6063T6, wall thickness 1.0mm (20swg) minimum.

Blade End Caps
Injection moulded black polypropylene to BSB's recorded design.

Blade Spindles
12.5mm (1/2") diameter die-cast Mazak alloy to BS 1004 Alloy A DIN 1743, 2400 or engineering quality thermoplastic nylon dependant on availability, with a 6mm diameter steel linkage pin pressed in for the linkage bar to connect to.

Drive Spindles
12.5mm (1/2") diameter die-cast Zinc alloy to BS 1004 Alloy A DIN 1743, 2400 or IXEF semi-crystalline polymer polyarylamide dependant on availability.

Blade Spindle Bushes
Injection moulded Nylon 66 "Top Hat" design (melting point 220°C).

Blade Seals
Manufactured from Thermo Plastic Elastomer (TPE)

Quadrant
1.2mm (18swg) galvanised mild steel chassis with integral rotation slot and blade position indication. 20mm x 2.5mm (3/4" x 1/8") zinc plated mild steel handle with integral clamp and locking nut to to BS EN 10142 1991. Coating Class Fe P02b Z275Na.

Drive Bar
22mm x 1.6mm galvanised mild steel flat bar punched to fit onto zinc plated drive pins.

Rivets
High quality self-sealed rivets are used to European standards as relevant.

Sealant
All joints and seams are sealed with sealant conforming to dictates of DW144.

Paint
Aluminium primer is applied to all welds and ground surfaces.

Operating Temperature
-10°C to +70°C