



BULLOCK MFG Pty Ltd.

Model 6500

Air Volume Control Damper

Product Description

The Bullock Model 6500 Air Volume Control Damper is a precision designed damper with a specific purpose, to control volumes of air passing through air-conditioning or ventilation systems either manually or via an actuator. Made from galvanised steel or graded stainless steel this model damper can be installed in Conditioner housings, air plenums, inside air ducts or in-line flanged ductwork configurations.



Model 6500 Galvanised Steel Air Volume Control Damper



Model 6500 Stainless Steel complete with Manual Quadrant.

Product Features

▪ FRAMES

Precision cut galvanised sheet-metal or optional graded stainless steel, die punched and press folded design ensures repetitive accurate sizing. A standard frame thickness of 1.6mm with a choice of two frame profiles:

- " C " type design available in 25mm or 35mm X 165mm wide and
- " H " type design available in 25mm, 35mm or 50mm X 215mm wide.

▪ BLADES

1.6mm galvanised or stainless steel blades machine cut, die punched and press formed where quality is always assured. Blade operations can be standard opposed action or optional parallel action.

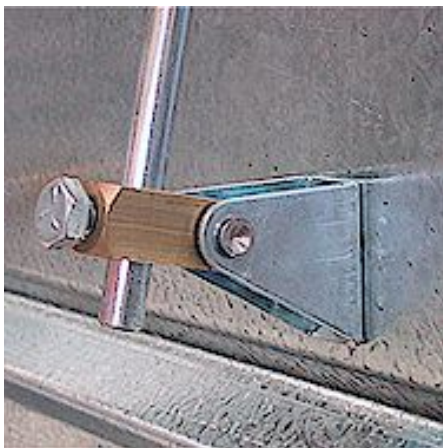
▪ HARDWARE

Blade bearings are designed for strength, durability and are made from moulded nylon. For dampers operating in elevated temperature applications the option of steel bearing saddles coupled with brass bushes should be used. Blade bearings pivot on 316 stainless steel - 12mm diameter stub shafts rotating on zinc plated or stainless steel nuts and bolts.

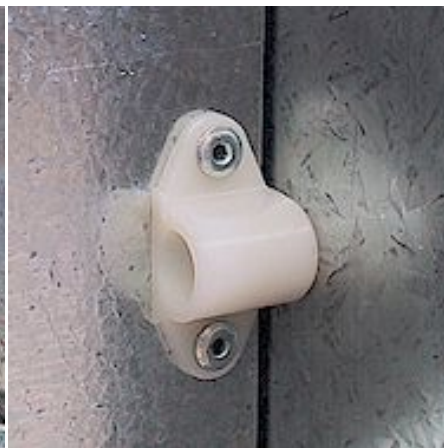
Blade control linkages are die formed zinc plated "U" shaped bracket housings, coupled with a Stainless steel clevis pin holding a machine formed brass block.

Drive shaft is a 12mm precision machine made round shaft complete with tapped holes to ensure a positive connection to the drive blade eliminating slackness.

Quadrants to manually air balance your system, "to set and forget" are available when ordering.



Blade Linkage Assembly



Nylon Blade Bearing



Steel Saddle / Brass Bush

Typical Specification

Volume dampers where shown on design drawings and as specified by the design engineer shall be the Bullock model 6500 air volume control damper or equivalent. Dampers shall be constructed of premium quality galvanised sheet steel or for aggressive corrosive environments be made of stainless steel. Material thicknesses will be a minimum of 1.6mm for frames and blades. Frames shall be of an engineered design ensuring the damper maintains a stable and rigid form during transport and site installation. Damper blades shall not exceed 1200mm in length and 165mm in width and when in the open position be completely contained within the damper frame. The damper shafts shall be stainless steel with nylon bearings and all linkages shall contain machine quality formed brass blocks and be so arranged to eliminate blade flutter. Low leakage motorised dampers shall be fitted with stainless steel side blade seals to reduce air leakage.

NOTE: Volume control dampers are designed specifically to control airflows, for correct operation always ensure ductwork is self supported and installed to AS4254 methods.

Specifications are subject to change without notice.

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