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MODEL 6700 AIR VOLUME DAMPER ALUMINIUM

The **BULLOCK MODEL 6700 Air Volume Damper** (patent application No. 2004904926) with its unique blade configuration is designed to give greater control of air passing through air-conditioning or ventilation systems, either manually using a quadrant control or via the use of building service actuators. This model has been durability tested as per AS1668 for high temperatures and ultra low leakage tested in the closed blade position.

Available in three material types: Aluminium, Graded Stainless Steel or Galvanised Steel which can be easily installed in sheet-metal ductwork, conditioner housings or air plenums.



1. Damper AIRWAY dimension measured in millimeters:
WIDTH (blade length) X HEIGHT
2. Damper controls: "Manual" or "Motorised", left or right hand upper, middle or lower position
3. Damper frame type or size see over. Options: Frame mounting slots, bolt-together modules.
4. Damper hardware: Nylon/bronze bearings, stainless side blade seals, extended drive shafts.
5. Damper materials: Galvanised, Graded Stainless Steel, Aluminium or combination thereof.

NOTE: Volume Control Dampers are designed to control airflows, for correction operation always ensure ductwork is self supported and installed to AS4254 methods. INCORRECT INSTALLATION AVOIDS ALL WARRANTIES.

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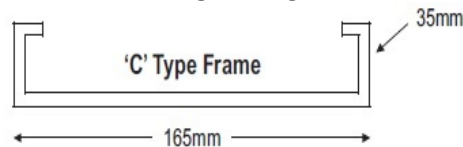
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MODEL 6700 AIR VOLUME DAMPER STAINLESS STEEL / GAL

FRAMES AND CORNERS

Aluminium - 6060T5 - "C" type design 35mm x 165mm x 1.8mm thick extrusion.

Stainless/Galvanised steel - "C" type TDF/TDC 35mm x 165mm x 1.6mm thick or "H" type 25mm, 35mm, or 50mm x 215mm x 1.6mm thick. Welded corners have been innovatively phased out with the introduction of the Bullock corner gussets for aluminium dampers. These assist in frame strengthening while allowing expansion in elevated temperature situations



BLADES

Aluminium - 6060T5 - Extruded 1.6mm thick streamline edge design for ultra low airflow resistance's and the available option for added blade seals on both edges to minimize leakage. Oppose blade rotation is standard, parallel action is optional. Stainless/Galvanised steel - precision cut 1.6mm, die and press formed, the interlocking blade tip designs give the blades longitude blade strength and a flat metal to metal blade seal. In the open position blades fit wholly within the damper frame

BLADE SEALS

All side blade seals are of series 300 stainless steel, alleviating the problem of "aggravated corrosion" of seals through blade swiping action. Blade tip seals are optional. Silicon seals with a serviceable temperature of up to 200 degree celsius or standard blade seal.

SHAFTS

Hexagonal 13mm zinc die cast design is mechanically fixed to the blade ends. Rotating pivot/drive collar is 16mm. diameter stainless steel providing strength, durability and ease of service for bearings. The actuator drive shaft is 12.7mm diameter zinc plated mild steel or optional stainless steel.

BEARINGS

Sintered Bronze 16mm diameter x 4mm thick "top hat" design to suit the 16mm diameter stainless steel blade pivot collars. These sit flush in a counter sunk frame seat providing strength to the frame penetration and giving precise bearing position. Polysulfone, which has a service temperature range up to 160 degree celsius.

LINKAGES

Blade linkages have been designed as an external operating system within the frame channel. 3mm Stainless Steel/ Galvanised Steel triangle plate design mechanically lock onto each blade pivot, interconnecting 2mm angles and 1.8mm linkage bar connectors are driven off 6mm stainless steel pivot pin and bearing combinationbs giving a smooth blade rotation from open to close positions.

PERFORMANCE TESTING

AIR LEAKAGE - Damper leakage tests to verify performance of the model's blade sealing system. The results show ultra low leakage rates. **CYCLE TESTED** - open & close in excess of 95, times.

ELEVATED TEMPERATURES Independent testing was carried out for durability in compliance with **AS1668** for smoke dampers. No visible signs of damage or distortion were noted in the test where temperatures were recorded at 200 degree celsius for a duration of 2 hours.

A copy of these tests are available from your local Bullock representative in your state.

INSTALLATION AND MAINTENANCE

Correct installation is critical for proper operation and a long life air control dampers. Refer to installation instructions to avoid on-site delays through incorrect procedures. **NOTE:** Volume dampers are designed to control airflow, always ensure ductwork or plenums are self supported and installed to AS4254 accepted methods.

INCORRECT INSTALLATION VOIDS ALL WARRANTIES

Maintain dampers in accordance with AS1851 if required.

Specifications subject to change without notice.

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