



**KAD AIR CONDITIONING**

**Volume Control Damper**



## About KAD Air Conditioning

KAD Air Conditioning, a Bin Dasmal Group Company, specializes in the manufacturing of centralized air conditioning duct and accessories. The Company is ISO certified and was added to the portfolio of Bin Dasmal Group in 2002 as a strategy to further contribute to the impressive range of HVAC business activities of the conglomerate.

## KAD Volume Control Dampers introduction

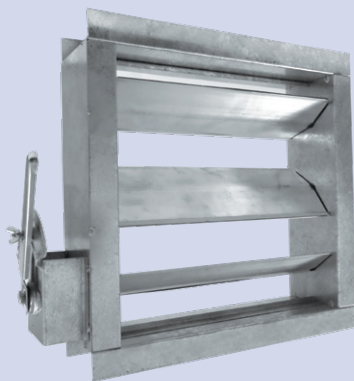
KAD's Volume Control Dampers or Balancing Dampers are designed to balance air to individual areas. This unit comes with complete manual quadrant or motorized actuators. Volume Control Dampers can be manufactured with galvanized steel, stainless steel and aluminum. Dampers are suitable for the systems requiring air control.

### Volume Control features:

- KAD Dampers are available from 100 mm to 1200 mm for single section, if the size is more than 1200 mm, the Damper will be manufactured in multi-section with single drive or multiple drives as per requirement
- Pre-punched holes are available for easy installation

## Range of KAD Volume Control Dampers

### Model : K-VCD-AL-100



#### Features:

- Operation: Opposed blade movement
- Frame: Hat shaped 18 gauge (1.20 mm) galvanized steel sheet
- Blade: Aerofoil, double walled, 1.20 mm wall thickness extruded aluminum profile
- Linkage: Internal galvanized steel, stainless steel options are available
- Bush: Nylon standard, option available with Plastic / Brass
- Gasket: Rubber foam standard, option available with Neoprene or Silicon fire rated
- Fixing: Integral flange option available Box type / Slip and Clip external flange
- Option available with frame thickness of up to 12 gauge galvanized steel sheet

## Range of KAD Volume Control Dampers

### Model : K-VCD-GI-200



Features:

- Operation: Opposed blade movement
- Frame: Hat shaped 18 gauge (1.20 MM) galvanized steel sheet
- Blade: Aerofoil, double walled, 1.60 mm equivalent thickness galvanized steel sheet
- Linkage: Internal galvanized steel
- Bush: Option available Nylon / Plastic / Brass
- Gasket: Option available Rubber foam / Neoprene / Silicon fire rated
- Fixing: Box type / Slip and clip / Integral flange / External flange
- Option available with frame thickness of upto 12 gauge galvanized steel sheet

### Model : K-VCD-GI-300-RD

Features:

- Frame: 22 gauge galvanized steel sheet
- Blade: 22 gauge galvanized steel sheet
- Bush: Nylon / Plastic / Brass
- Gasket: Rubber foam / Neoprene / Silicon fire rated



### Model : K-VCD-AL-400-M



Features:

- Operation: Opposed/parallel blade movement
- Frame: Hat shaped 18 gauge (1.20 mm) galvanized steel sheet
- Blade: Aerofoil, double walled, 1.20 mm wall thickness extruded aluminum profile
- Linkage: Internal galvanized steel/ External stainless steel
- Bush: Nylon / Plastic / Brass
- Gasket: Rubber foam / Neoprene / Silicon fire rated
- Side Seal: Stainless steel pop-up side seal for positive closure
- Fixing: Option available Box type / Slip and clip / Integral flange / External flange
- Actuator: Belimo / Honeywell On/Off or spring returns type

## Performance characteristics

### Test results

Test date	Pressure (Pa)	Permissible leakage through the net damper area (m <sup>3</sup> /hour)	Measured leakage (m <sup>3</sup> /hour)	Classification
12-01-2014	250	16.3	6.1	2
	1000	33.0	12.01	2
	2000	45.9	21.30	2
	3000	57.6	26.50	2

Temperature = 37° C.

Fig 1: Graph shows Measured Air Leakage against Test Pressure

