

Volume Control Damper



Aerotech double skin aerofoil blade section volume control dampers are designed for a steady range of pressure and velocities.

The performance of the parallel or opposed blade design for clean air systems allows superior performance in both constant and varying pressure drop applications.

The parallel blade unit is recommended for constant pressure drop applications such as mixing air, multi-zone, face and bypass as well as normal open/close applications.

The opposed blade unit is recommended for varying pressure drop conditions such as volume control or as a blower outlet.

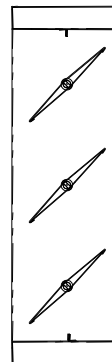
Options

- Axles and linkage construction: 304 or 316 stainless steel.
- Stainless steel side seal.
- 304 or 316 stainless steel construction.
- Manual or electric control options.

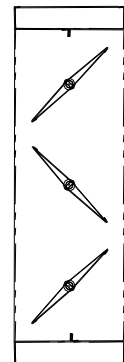
Model: VCD-M c/w hand quadrant for manual control

Model: VCD-S c/w extend spindle for electric control

Parallel Blade



Opposed Blade



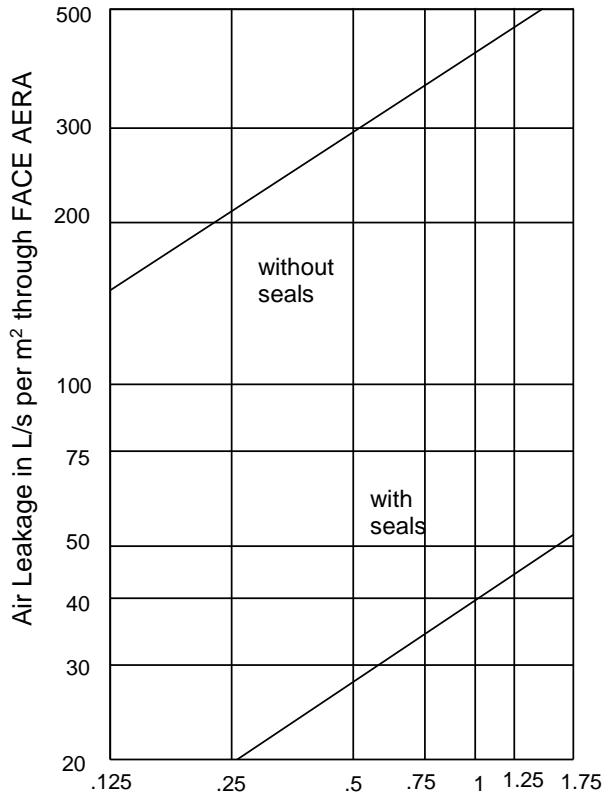
Standard Specifications

| | |
|----------------------|--|
| Max. Face Velocity: | 15m/s |
| Max. Diff. Pressure: | 1000Pa |
| Max Temp.: | 120°C |
| Min. Module Size: | 100mm x 100mm |
| Max. Module Size: | 2000mm x 1000mm |
| Frame: | 150mm depth x 1.2mm galvanised steel |
| Flange | 20mm to 40mm depends on damper size |
| Blade: | 0.8mm galvanised steel double skin aerofoil blade. Damper blades not exceed 150mm in width and 1200mm in length |
| Axles: | 12mm plated steel. |
| Bearing: | Oilless bronze bearing. |
| Linkage: | Heavy duty plated steel. |
| Stop: | Galvanised steel angle. |
| Finish: | Mill. |
| Actuator: | An external shaft 100mm beyond frame on right is standard. |

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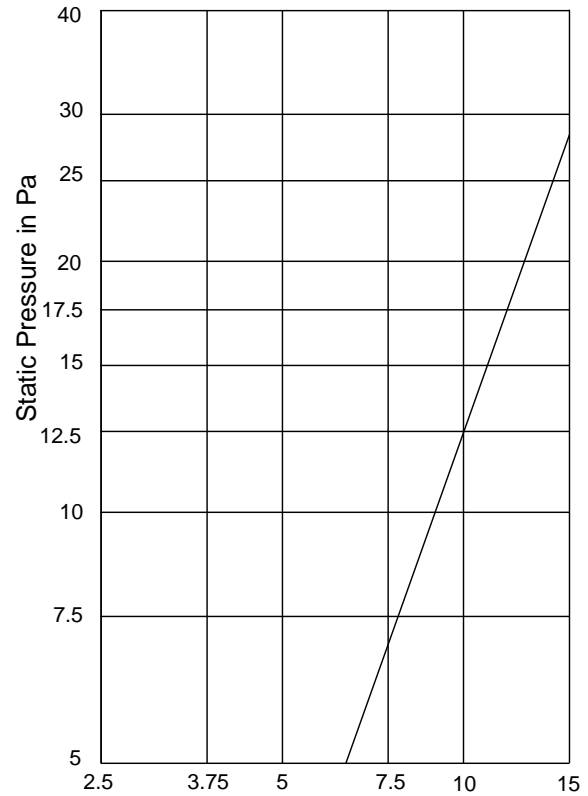
Performance Data

Air Leakage – Damper Closed



Static Pressure in kPa. Tested per AMCA Std. 500-D-98. 'Laboratory Methods for Testing Dampers for Rating.'

Pressure Drop – Damper Open



Air Velocity in m/s through FACE AERA. Tested per AMCA Std. 500-D-98. 'Laboratory Methods for Testing Dampers for Rating.'