LOW-LEAKAGE VOLUME CONTROL DAMPER - LVCD SERIES
3V-SHAPED STEEL BLADES

STANDARD CONSTRUCTION

Frame: 133mm Roll formed hat-shaped made of 1.2mm thick galvanized steel with reinforced corners, having integral bracing and 90° perpendicular overlap at a corner.
Blades: Roll formed 3 V-shaped made of 1.2mm thick galvanized steel.
Bushes: Brass bushes.
Axles: 1/2" Square axles made of galvanized steel.
Linkage: Mechanical and concealed in frame.
Jamb Seals: Stainless steel jamb seals.
Blades Seal: Silicone blades edges seal/gasket.
Leakage: Class 2
Air Flow Rating: 2000 FPM / 4 IWG.
Sizes: Single Section: Max. 36" X 36"
        Multiple Section: Max. 72" X 72"

DIMENSIONS

![LVCD-Flange type](image1)
![LVCD-Hat type](image2)

ALL DETAILS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
LOW-LEAKAGE VOLUME CONTROL DAMPER - LVCD SERIES
3V-SHAPED STEEL BLADES

## OPTIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Model</th>
<th>Manual Quadrant Models</th>
<th>Motorized Models</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DRIVE</strong></td>
<td>LVCDG2SLH</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>BLADE</strong></td>
<td></td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>BLADE TYPE</strong></td>
<td>LVCD2LAH</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>BLADE MOVEMENT</strong></td>
<td>LVCD2LAF</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
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<tr>
<td><strong>USE</strong></td>
<td>LVCD2LAL</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>CONSTRUCTION</strong></td>
<td>LVCD2LAM</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>BUSHING/BEARING TYPE</strong></td>
<td>LVCD2LBN</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>MECHANISM</strong></td>
<td>LVCD2LCO</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
<tr>
<td><strong>FIXING TO DUCT</strong></td>
<td>LVCD2LDP</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
<td>MVCDG2LSLH</td>
</tr>
</tbody>
</table>

### DRIVE OPTIONS
- MANUAL QUADRANT
- ELECTRIC ACTUATOR

### BLADE OPTIONS
- G.I. 3V-SHAPED
  - ALUMINUM AEROFOIL

### BLADE MOVEMENT OPTIONS
- OPPOSED
- PARALLEL

### USE OPTIONS
- CONTROL (AIR BALANCING)
- LOW LEAKAGE APPLICATIONS

### CONSTRUCTION OPTIONS
- GALVANIZED STEEL
  - STAINLESS STEEL 304

### BUSHING/BEARING OPTIONS
- PLASTIC BUSHES
- BRASS BUSHES
  - S.S. BUSHES
- S.S. BEARING

### MECHANISM OPTIONS
- G.I. LINKAGE
  - PLASTIC GEARS

### FIXING TO DUCT OPTIONS
- HAT-SHAPED
  - FLANGE
  - SLIP & CLIP
  - BOX TYPE (INSERTED INSIDE DUCT)
LOW-LEAKAGE VOLUME CONTROL DAMPER - LVCD SERIES
3V-SHAPED STEEL BLADES

PERFORMANCE DATA

Note:
Pressure drop test was done at an independent laboratory in accordance with the AMCA 500-D standard on 36"x36" sample.

Ordering Key:

<table>
<thead>
<tr>
<th>M</th>
<th>L</th>
<th>VCD</th>
<th>G2</th>
<th>B</th>
<th>L</th>
<th>H</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUADRANT-DRIVEN</td>
<td>G.I LINKAGE MECHANISM (STANDARD)</td>
<td>3V-SHAPED G.I. BLADES</td>
<td>LOW-LEAKAGE TYPE</td>
<td>BRASS BUSHES (STANDARD)</td>
<td>G.I. LINKAGE MECHANISM (STANDARD)</td>
<td>HAT-SHAPED FRAME (STANDARD)</td>
<td>FLANGED TO DUCT</td>
</tr>
<tr>
<td>1.0</td>
<td>1.2</td>
<td>1.7MM</td>
<td>1.0MM</td>
<td>1.2MM</td>
<td>1.7MM</td>
<td>1.5MM</td>
<td>1.7MM</td>
</tr>
<tr>
<td>G1: 0.9MM G.I. CONSTRUCTION</td>
<td>G2: 1.2MM G.I. CONSTRUCTION (STANDARD)</td>
<td>G3: 1.5MM G.I. CONSTRUCTION</td>
<td>G4: 1.7MM G.I. CONSTRUCTION</td>
<td>S1: 1.0MM S.S. 304 CONSTRUCTION</td>
<td>S2: 1.2MM S.S 304 CONSTRUCTION</td>
<td>S3: 1.5MM S.S 304 CONSTRUCTION</td>
<td>S4: 1.7MM S.S 304 CONSTRUCTION</td>
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