AEROFOIL ALUMINUM BLADES

Fixing to duct: Flanged frame.

Model AVCDG2PLF

Model MAVCDG2PLF

DIMENSIONS
### VOLUME CONTROL DAMPER - AVCD SERIES

#### AEROFOIL ALUMINUM BLADES

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>MANUAL QUADRANT MODELS</th>
<th>MOTORIZED MODELS</th>
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<tbody>
<tr>
<td>DRIVE</td>
<td>MANUAL QUADRANT</td>
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</tr>
<tr>
<td>BLADE TYPE</td>
<td>ALUMINUM AEROFOIL</td>
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</tr>
<tr>
<td>BLADE MOVEMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USE</td>
<td>CONTROL (AIR BALANCING)</td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION</td>
<td>GALvanized Steel</td>
<td></td>
</tr>
<tr>
<td>BUSHING BEARING TYPE</td>
<td></td>
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<tr>
<td>MECHANISM</td>
<td></td>
<td></td>
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<tr>
<td>FIXING TO DUCT</td>
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<td></td>
</tr>
<tr>
<td>BOX TYPE (INSERTED INSIDE DUCT)</td>
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**Other options of S.S. bushes ‘X’ and S.S. bearing ‘S’ are shown at the ordering key.

### OPTIONS

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>MODEL</th>
<th>DRIVE</th>
<th>BLADE TYPE</th>
<th>BLADE MOVEMENT</th>
<th>USE</th>
<th>CONSTRUCTION</th>
<th>BUSHING BEARING TYPE</th>
<th>MECHANISM</th>
<th>FIXING TO DUCT</th>
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<tbody>
<tr>
<td></td>
<td>AVOCDG2PH</td>
<td>MANUAL QUADRANT</td>
<td>ALUMINUM AEROFOIL</td>
<td>PARALLEL</td>
<td>CONTROL (AIR BALANCING)</td>
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<td>PLASTIC BUSHES</td>
<td>G.I. LINKAGE</td>
<td>HAT-SHAPED</td>
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<tr>
<td></td>
<td>AVOCDG2PF</td>
<td>ELECTRIC ACTUATOR</td>
<td>G.I. 3V-SHAPED</td>
<td></td>
<td>LOW LEAKAGE (AIR TIGHT SHUT OFF)</td>
<td>STAINLESS STEEL 304</td>
<td>BRASS BUSHES</td>
<td>S.S. BEARING</td>
<td>FLANGE</td>
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<td>AVOCDG2PS</td>
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<td>ALUMINUM AEROFOIL</td>
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<td>S.S. BEARING</td>
<td>PLASTIC GEARS</td>
<td>SLIP &amp; CLIP</td>
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<td>G.I. 3V-SHAPED</td>
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<td>BOX TYPE</td>
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</table>

**Above models (except the ones with gear mechanism) can be with parallel blades, PLS. write "parallel" on your order.

**Other options of S.S. bushes ‘X’ and S.S. bearing ‘S’ are shown at the ordering key.
VOLUME CONTROL DAMPER - AVCD SERIES
AEROFOIL ALUMINUM BLADES

PERFORMANCE DATA

**Ordering Key:**

<table>
<thead>
<tr>
<th>M</th>
<th>A</th>
<th>VCD</th>
<th>G2</th>
<th>P</th>
<th>L</th>
<th>F</th>
<th>SIZE</th>
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<tr>
<td></td>
<td></td>
<td>AEROFOIL ALUMINUM BLADES</td>
<td>VOLUME CONTROL DAMPER</td>
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<tr>
<td></td>
<td></td>
<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>
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<tr>
<td></td>
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<td>S1: 0.7MM 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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<tr>
<td>P</td>
<td></td>
<td>PLASTIC BUSHES (STANDARD)</td>
<td>BRASS BUSHES</td>
<td>S.S. BUSHES</td>
<td>S.S. BEARINGS</td>
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<td>L</td>
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<td>HAT-SHAPED FRAME</td>
<td>FLANGED TO DUCT (STANDARD)</td>
<td>SLIP &amp; CLIP WITH DUCT</td>
<td>BOX TYPE (INSERTED INSIDE DUCT)</td>
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<tr>
<td>F</td>
<td></td>
<td>G.I. LINKAGE MECHANISM (STANDARD)</td>
<td>PLASTIC GEARS MECHANISM</td>
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**LEAKAGE**

**PRESSURE DROP, IWG**

**FACE VELOCITY, FPM**

**FACE VELOCITY, FPM**

**STATIC PRESSURE, IWG**