

AirMax®

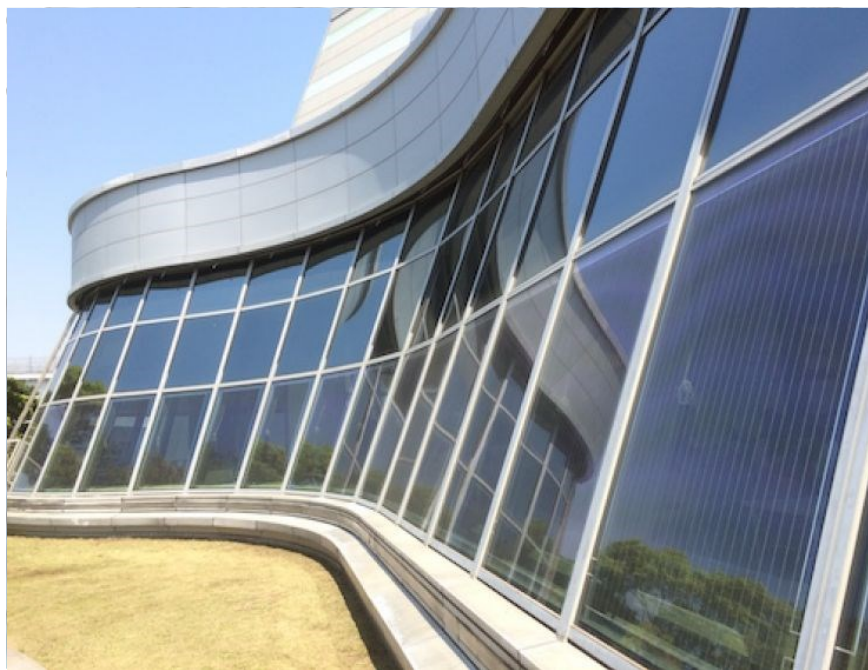


Control Damper

Control Damper Handle type

Control Damper Gear type

Control Damper motorized type



Technical Information



Installation Guides

Application

CD-H, CD-G and CD-M control dampers employ triple-V blades and a rugged hat channel frame for automatic air control and manual balancing in medium pressure and velocity applications.

CD-H : Handle Type

CD-G : Gear Type

CD-M : Motorized Type

Standard Construction

Frame : 152 x 35 mm. galvanized steel hat channel with interlocking corner gusset. Equivalent to 16 gauge channel frame. Low profile head and sill are used on sizes less than 330 mm. high.

Blades : 100 mm 16 gauge galvanized steel triple-V. Parallel or opposed action.

Axles : 10x10 mm. Square plated steel hex.

Linkage : Concealed in frame.

Bush : Bronze

Control Shaft : 10 mm. square 150 mm. length round Drive axle with outboard shaft support bracket and bearing supplied on all single section dampers for field installation. Factory installed jackshaft supplied with all multiple section dampers : 10 mm square.

Minimum Size : Single section: 152 x 152 mm.

Maximum Size : Single section: 1000 x 1000 mm. Multiple sections : Unlimited

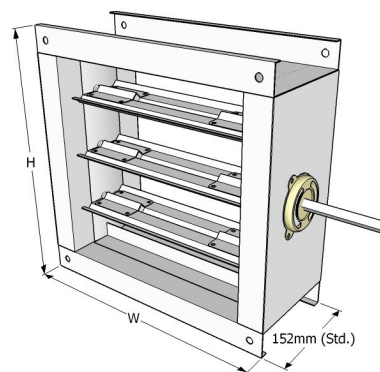
Options

- ☐ Factory installed actuators:
 - ☐ Manual locking quadrant (supplied loose)
 - ☐ 24 VAC ☐ 230 VAC
 - ☐ External mount (requires sleeve or side plate option)
 - ☐ Internal mount (requires jack shafting)
 - ☐ Factory installed sleeve. ☐ Factory installed side plate.
 - Gauge: ☐ 20 (1.0) ☐ 16 (1.6)
 - Length: ☐ 406 ☐ 610 ☐ Other _____
 - ☐ Transitions (sleeve required): ☐ Flanged
 - ☐ Round ☐ Oval
 - ☐ Low leakage seals: PVC blade edge and flexible stain less steel jamb.
 - ☐ Jack shafting (required with internal mounted actuators and standard on all multiple section dampers).
 - ☐ Vertical mounted blades.

Rotary actuators guide for CD-M model

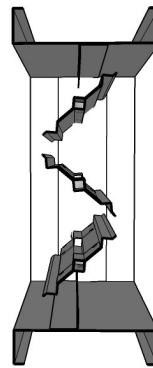
Electric Power	Nominal torque	For damper size up to approximately
24VAC - 230VAC	2 Nm	0.4 Sq.m
24VAC - 230VAC	5 Nm	1.0 Sq.m
24VAC - 230VAC	10 Nm	2.0 Sq.m
24VAC - 230VAC	20 Nm	4.0 Sq.m
24VAC - 230VAC	40 Nm	8.0 Sq.m

Model : CD-H, CD-H, CD-M

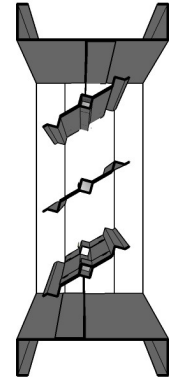


Damper dimensions furnished approximately 10x10mm. undersize. (Drive axle supplied loose for field installation)

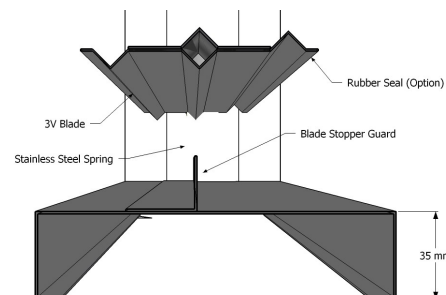
Stand Model



Opposed Blade Type



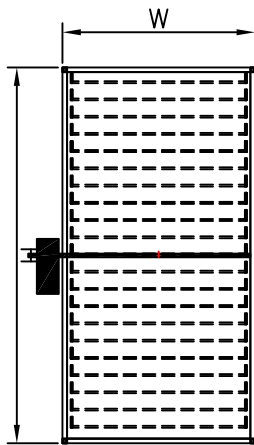
Parallel Blade Type



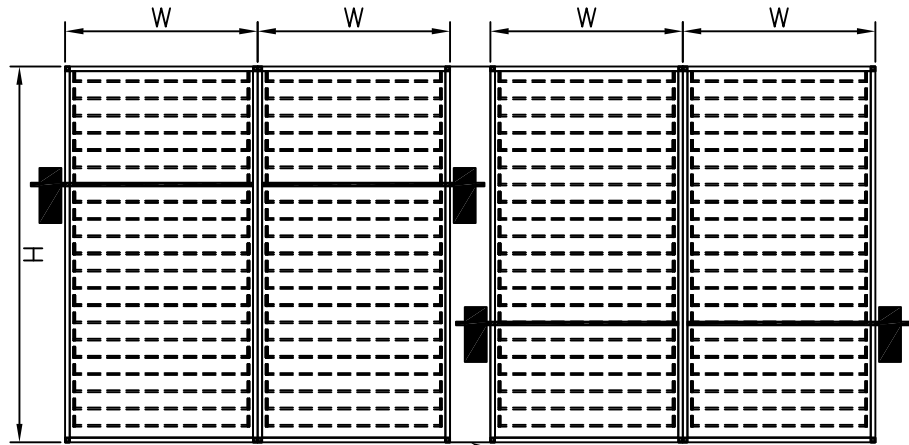
Flanged Frame

Typical Damper Dimensional Details

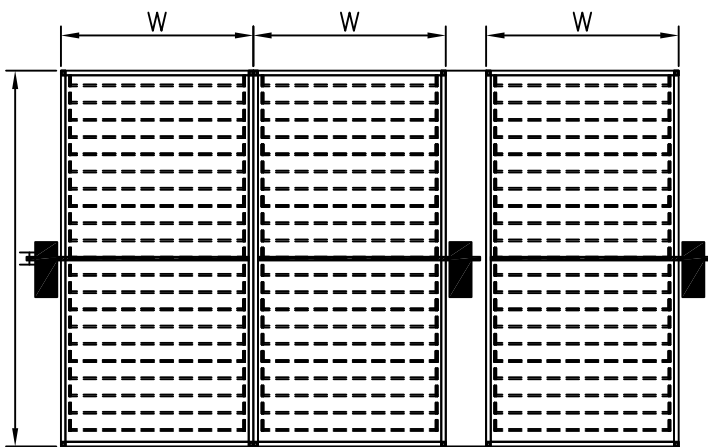
Use of blank-offs between damper sections to provide space for actuator mounting



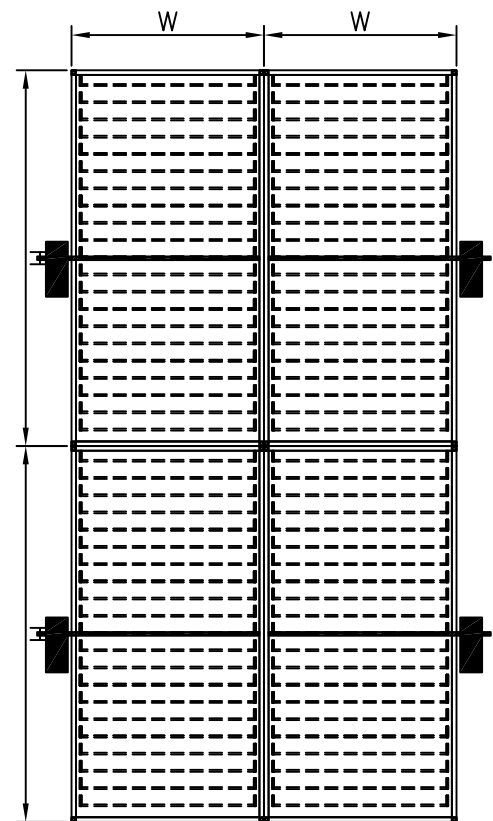
Single section
for one actuator



Blank -off Chanal



Blank -off Chanal



Large multi-section assembly

Dampers are designed to be self-supporting in the maximum single section size. When dampers are installed in multiple section assemblies, bracing may be required to support the weight of the dampers and to ensure structural integrity against system pressures. It is recommended that multiple sections be appropriately braced. In horizontal installations, it is recommended that suitable supports be installed every 8 feet of damper width. Dampers installed in vertical multiple assemblies and/or higher system pressures, may require additional bracing.

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