

3900 Dr. Greaves Rd.

Kansas City, MO 64030

(816) 761-7476

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# CD50V LOW LEAKAGE VERTICAL BLADE CONTROL DAMPER

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High Performance Extruded Aluminum Airfoil

The CD50-V is an extruded aluminum damper designed to be installed with the airfoil blades running vertically. The airfoil blades make the CD50-V ideal for higher velocity and pressure HVAC systems.

# STANDARD CONSTRUCTION

#### FRAME

5" x 1" x 6063T5 extruded aluminum hat channel with .125" minimum wall thickness (127 x 25 x 3.2). Low profile, 5" x 1/2" (127 x 13) jamb frames on dampers 12" (305) wide and less. Mounting flanges on both sides of frame.

### BLADES

6" (152) wide, 6063T5 heavy gage extruded aluminum, airfoil shape.

## LINKAGE

Concealed in frame.

## AXLES

1/2 " (13) plated steel hex.

# BEARINGS

Stainless steel bearings with thrust washer.

#### SEALS

Blade Edge – Extruded Ruskiprene (TPR) for -72°F to +275°F (-58°C to +135°C).

Jamb – Flexible metal compressible type.

#### CONTROL SHAFT

Removable,  $^{1\!/_{2}"}$  (13) diameter shaft extends 6" (152) beyond frame.

## FINISH

Mill.

## MINIMUM SIZE

Single blade, parallel action -5"w x 6"h (127 x 152). Two blade, opposed action -9"w x 6"h (229 x 152).

## MAXIMUM SIZE

Single section – 48"w x 36"h (1219 x 914). Multiple section assembly – Unlimited size.

# LEAKAGE

7.2 CFM/sq. ft. (Refer to notes 3 and 4 below.)

## **OPTIONS**

• Factory-installed, pneumatic and electric actuators.

#### · Enamel and epoxy finishes.

- SP100 Switch Package to remotely indicate damper blade position.
- 16 gage galvanized steel hat channel frame.
- Front, rear or double flange frame with or without bolt holes.
- Face and bypass configurations.



#### **FEATURES**

- Airfoil blade design for low pressure drop and less noise generation.
- Positive lock axles, noncorrosive bearings and shake proof linkage for low maintenance operation.
- Blade edge seals mechanically lock into the blade for superior sealing.

# NOTES

- 1. Dimensions shown in parentheses ( ) indicate millimeters.
- Units furnished approximately <sup>1</sup>/4" (6) smaller than given opening dimensions.



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