

Reference:

Client:

Project:

Consultant:

Location:

Contractor:

Date:

Submitted by:



Manufacturing Excellence

Model CDH-125 Series

Control Dampers

3V Blade

Manual Quadrant/Motorised

Application:

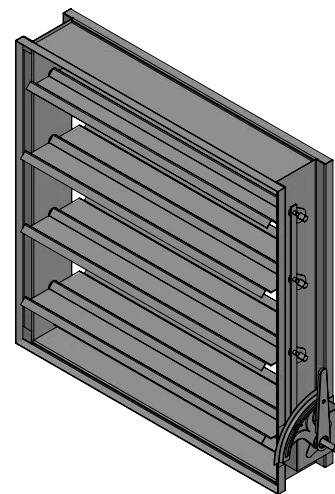
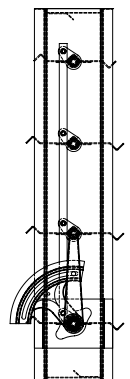
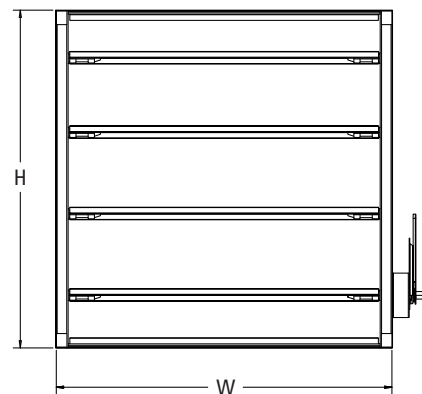
The CVS control damper models CDH-125-3V-Q and CDH-125-3V-M are intended for low to high pressure and velocity applications and can be provided in opposed or parallel blade orientations.

The model CDH-125-3V-Q (manual quadrant) is a general purpose commercial control damper for use in manual balancing control applications where tight sealing is not of primary importance.

The model CDH-125-3V-M (motorised) is a general purpose commercial control damper for use in automatic balancing control applications where tight sealing is a primary requirement.

Standard Construction:

	Standard	Optional
Frame Material	20 gauge thick roll formed galvanized steel hat shape frame	Multiple gauges galvanized steel or stainless steel flanged frame (only for roll formed frame)
Frame Depth	127mm	Other depths available (only for roll formed frames)
Blade Material and Type	16 gauge galvanized steel roll formed 3V shape profile	Multiple gauges of galvanized steel & stainless steel roll formed 3V shape profile
Blade Seal	Q - None M - Foam Type	Q - Foam Type, Neoprene, EPDM, Silicon Rubber M - Neoprene, EPDM, Silicon Rubber
Blade Operator	Q - Manual Quadrant M - Electric Actuator (On/Off Type)	M - Electric Actuator (Modulating type)
Dimensions	Actual - 6mm	Actual
Axle Material	Zinc plated steel	Stainless steel
Axle Bearings	Nylon	Brass, Bronze, Stainless steel
Type of Blade Operation	Parallel	Opposed
Jamb Seal	Q - None M - SS301	Q - SS301

**Front View****Section View****Minimum & Maximum Sizes:**

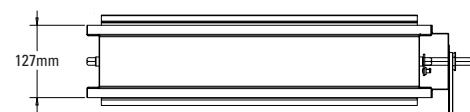
Model	Minimum Single Section	Maximum Single Section	Maximum Multi Section
CDF-125-3V-Q (Manual quadrant)	4" x 4" (101 x 101)	36" x 48" (914 x 1219)	Unlimited Size (Please consult factory)
CDF-125-3V-M (Motorised)			

All dimensions shown in inches, parentheses () indicate millimeters.

Optional Construction:

Operators:

Actuators: 24V 230V
Spring Return Non-Spring Return
On/Off Modulating
Manual Quadrant

Top View

As part of our continuous improvement program, we reserve the right to make further improvements without notice.

Submittal

Reference:

Client:

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Model CDH-125 Series

Control Dampers

Airfoil Blade

Manual Quadrant/Motorised

Application:

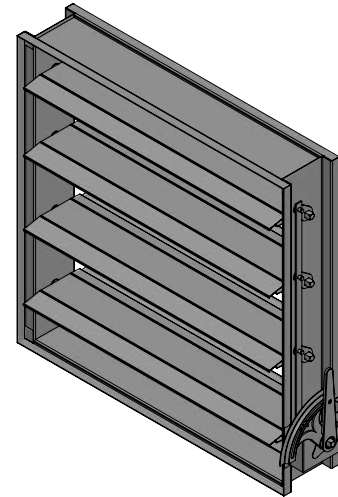
The CVS control damper models CDH-125-AF-Q and CDH-125-AF-M are intended for low to high pressure and velocity applications and can be provided in opposed or parallel blade orientations.

The model CDH-125-AF-Q (manual quadrant) is a general purpose commercial control damper for use in manual balancing control applications where tight sealing is not of primary importance.

The model CDH-125-AF-M (motorised) is a general purpose commercial control damper for use in automatic balancing control applications where tight sealing is a primary requirement.

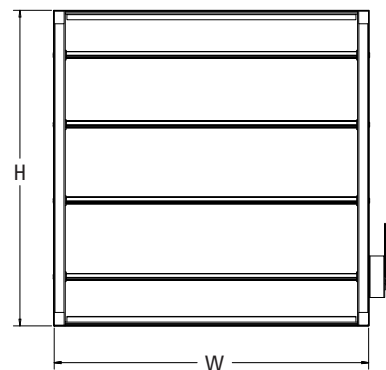
Standard Construction:

	Standard	Optional
Frame Material	20 gauge thick roll formed galvanized steel hat shape frame	Multiple gauges galvanized steel or stainless steel hat shape frame (only for roll formed frames)
Frame Depth	127mm	Other depths available (only for roll formed frames)
Blade Material and Type	16 gauge galvanized steel roll formed airfoil shape double skin profile (Type 2)	1.4 mm thick extruded aluminum 6063-T6 airfoil shape (Type 1)
Blade Seal	Q - None M - Foam Type	Q - Foam Type, Neoprene, EPDM, Silicon Rubber M - Neoprene, EPDM, Silicon Rubber
Blade Operator	Q - Manual Quadrant M - Electric Actuator (On/Off Type)	M - Electric Actuator (Modulating type)
Dimensions	Actual - 6mm	Actual
Axle Material	Zinc plated steel	Stainless steel
Axle Bearings	Nylon	Brass, Bronze, Stainless steel,
Type of Blade Operation	Parallel	Opposed
Jamb Seal	Q - None M - SS301	Q - SS301

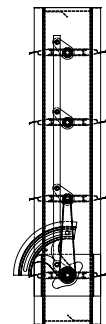


Front View

Section View



Top View

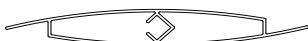


Minimum & Maximum Sizes:

Model	Minimum Single Section	Maximum Single Section	Maximum Multi Section
CDF-125-AF-Q (Manual quadrant)	4" x 6" (101 x 152)	36" x 48" (914 x 1219)	Unlimited Size (Please consult factory)
CDF-125-AF-M (Motorised)			

All dimensions shown in inches, parentheses () indicate millimeters.

Airfoil Blade - Type 1



Airfoil Blade - Type 2



Optional Construction:

Operators:

Actuators: 24V 230V
Spring Return Non-Spring Return
On/Off Modulating

Manual Quadrant

Airfoil Blade Construction: Type 1

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Submittal