

VCD-20 3V Blade Volume Control Damper

APPLICATION & DESIGN

The VCD-20 is a general purpose control damper for applications as an automatic control or manual balancing damper with low to medium pressure and velocity systems. A wide range of electric and pneumatic actuators are available.

DAMPER RATINGS

Pressure: Up to 5 in. wg - pressure differential
Velocity: Up to 3,000 ft/min
Temperature: Up to 250 F

PRODUCT DETAILS

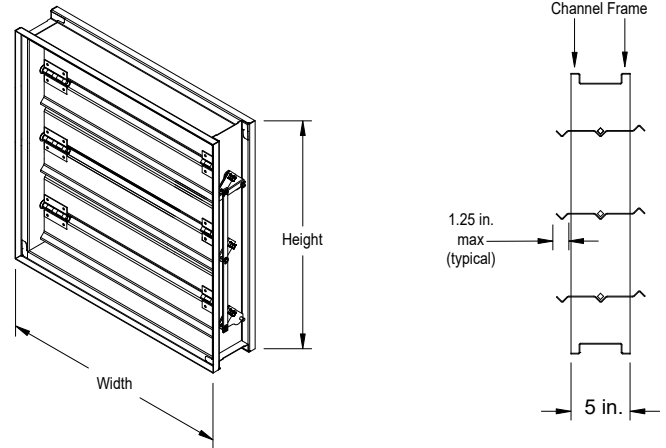
Frame Type: Channel
Frame Thickness: 16 ga
Material: Galvanized
Blade Type: 3V
Blade Action: Opposed
Blade Seal Material: N/A
Axle/Linkage Material: Steel
Axle Bearings: Synthetic
Damper Temp. Rating: 180 F
Jackshifting: No Preference
Actuator Sizing: Default SqFt
Ext. Shaft Length: Standard (6 in.)
Multi-Section Fastening: Standard
Sizing: Nominal

ACTUATOR INFORMATION

Actuator Type: Manual Quadrant
Actuator Mounting: External
Actuator Location: Left Side

OPTIONS & ACCESSORIES

Union Label: No Preference



- This drawing shows a general damper configuration and is not intended to depict the exact configuration of all dampers in this submittal.
- Width and height furnished approximately 0.250 in. undersize.
- Factory supplied actuators are sized for 1,500 fpm and a fully-closed differential pressure of 2 in. wc. Contact factory for actuator sizing on applications exceeding those levels.
- Installation instructions available at www.greenheck.com.

CODES APPROVED

IECC (International Energy Conservation Code) compliant
The AMCA Certified Ratings Seal applies to Air Performance

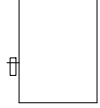


SUMMARY

ID #	TAG	QTY	Width	Height	CONFIGURATION			
1-1	VCD2030X18	1	30.000 in.	18.000 in.	Drive Arrangement: Drive- CC-11-1FEL-0	Actuator Mfr: Greenheck	Actuator Model: Manual Quadrant	Actuator Qty: 1
					Act. Orientation: N/A	Standoff: 1.500 in.		

Damper Drive Arrangements Job Summary -Start-

Drive Arrangement: Drive-CC-11-1FEL-0



Damper Drive Arrangements Job Summary -End-

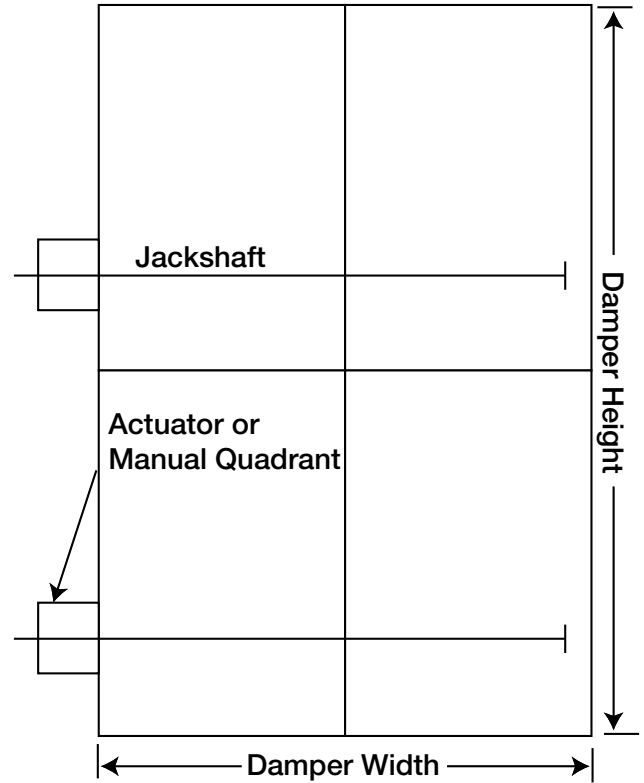
Drive Arrangement Definition

On multi-blade dampers (except vertical blade and Face & Bypass), they are given a drive arrangement code that helps describe the construction of the damper. The following breaks down what each number and letter represents.

22-2FEL-2

① ② ③ ④ ⑤ ⑥ ⑦

- ① Number of sections wide
- ② Number of sections high
- ③ Number of actuators or manual quadrants
- ④ Who supplies the actuators or manual quadrants
F - Factory
C - Customer Supplied (field mounted)
- ⑤ Actuator or manual quadrant mounting
E - External
I - Internal
B - Both internal and external
- ⑥ Actuator or manual quadrant location
L - Left hand drive
R - Right hand drive
B - Both right and left
- ⑦ Number of jackshafts



Vertical blade and face & bypass dampers are given a configuration ID number that helps describe the construction of the damper. See the following examples:

Model	Drive Arrangement Prefix
AMD-23, 33, 42	AMD
AMD-42V	VB
DFD-210, 230; DFDAF-310; DFDAF-330; SEDFD-210	MLS
FBH & FBV	FB
FSD, OFSD, CFSD, SMD, SEFSD, SSFSD, SESMD, SSSMD series (except vertical blade models)	MLS
FSD-311V, SMD-301V	VB
GFSD series	GFSD
ICD series	CC
IMO series	MLS
MBD-15 & VCD series (except vertical blade models)	CC
VCD-xxV (vertical blade models)	VB