

Commercial Control Damper - Steel

Model

Commercial Control Damper Steel
CCD-GV5-3V-LL

Features

- The CCD-GV5-3V-LL series Control Dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications. They are generally recommended for face velocities up to 2000 fpm and static pressures to 2.5" w.g. (Note: for systems in excess of 2.5" w.g. contact the factory).
- The CCD-GV5-3V-LL series dampers have pressure sensitive jamb and blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements.
- The CCD-GV5-3V-LL series damper's rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. This insures on site performance equal to test results.
- Factory installed electric or pneumatic operators are available.

Standard Construction:

Frame: Roll-formed galvanized steel hat-section with staked corners with integral bracing.

Blades: 16-18 ga. triple-vee profile Roll-formed, galvanized steel
Minimum width: 4¹/₄" (108mm)
Maximum width: 7¹/₄" (184mm)

Bearings: Nylon Bearings.

Axles: Square, plated steel.

Seals: Pressure sensitive, PVC blade edge seals and flexible metal jamb seals.

Linkage: Concealed in frame. Linkage bars are 12 ga. thick galvanized steel.

Finish: Mill galvanized.

Extended Shaft: Removable, 6" long x 1/2" dia. (152 mm x 13 mm) plated steel coupled to square axle.

Max. Temperature: 250°F

Sizes:

Minimum size:
5"w x 4"h (127mm x 102mm)

Maximum size:
Single section -
48" w x 72"h (1219mm x 1829mm)
Multiple section - size unlimited.

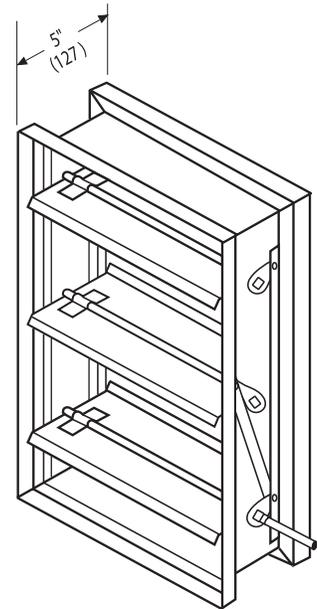
Options:

- Silicone blades edge seals.

Notes:

- Dampers fabricated 1/4" (6mm) under opening size unless otherwise noted
- All dampers 32" (813mm) and over are supplied with Jackshafting. (See Jackshafting & Enclosure submittal drawing for details).
- CCD-GV5-3V-LL is available in either parallel or opposed blade models.
- CCD-GV5-3V-LL available as a face and by-pass mixing damper.
- Damper section smaller than 48"w x 12"h (1219mm x 305mm) are furnished with a low profile top and bottom frame to maximize free area.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.



PROJECT:			
ENGINEER:			
CUSTOMER:		Jul / 12	
SUBMITTAL DATE:	SPEC. SYMBOL:	244965	

Model CCD-GV5-3V-LL

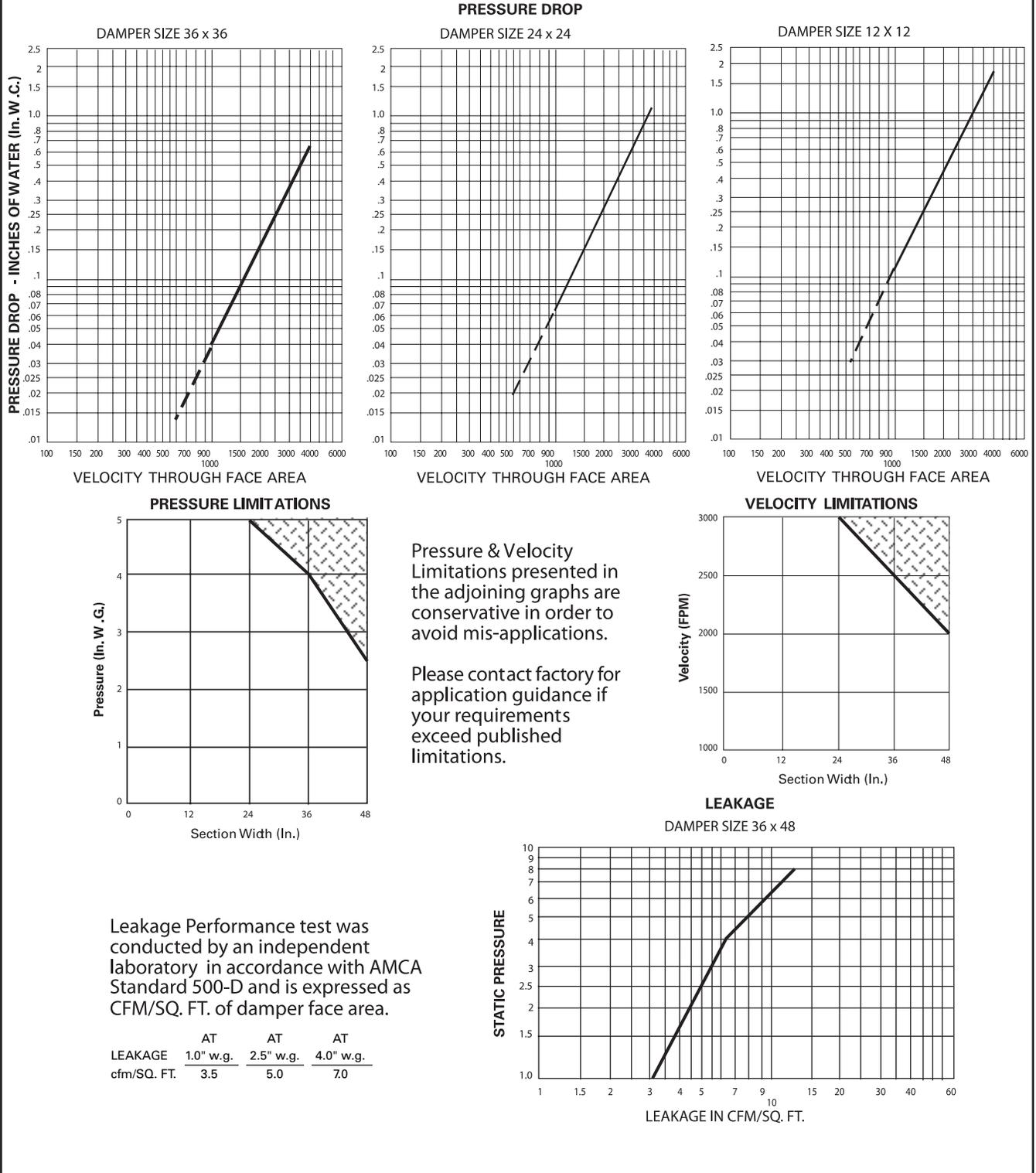
Steel Construction

Low Leakage Model



Commercial Control Damper - Steel

Pressure drop testing was conducted by an independent laboratory in accordance with the AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream



Commercial Control Damper - Steel

Model

Commercial Control Damper Steel
CCD-GV5-3V-LLHD

Features

- The CCD-GV5-3V-LLHD (Heavy Duty) series Dampers have been designed and tested to provide rigid, robust, and yet, cost effective control dampers for special applications involving high pressure up to 9.0" w.g.
- The CCD-GV5-3V-LLHD series dampers have pressure sensitive jamb and blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements.
- The CCD-GV5-3V-LLHD series damper's rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. This insures on site performance equal to test results.
- CCD-GV5-3V-LLHD is available in either parallel or opposed blade models.
- Factory installed electric or pneumatic operators are available.

Standard Construction:

Frame: Roll-formed galvanized steel hat-section with staked corners with integral bracing & roll-formed galvanized steel C channel insert welded to provide equivalent of 12 ga. steel.

Blades: 16 ga. Roll-formed, galvanized steel & 18 ga. formed galvanized steel continuous rigidizing section to provide equivalent of 10 ga. steel.

Bearings: Bronze Oilite. Press fit into frame.

Axles: Square, plated steel.

Seals: Pressure sensitive, PVC blade edge seals and flexible metal jamb seals.

Linkage: Concealed in frame. Linkage bars are 12 ga. thick galvanized steel.

Finish: Mill galvanized.

Extended Shaft: Removable, 6" long x 1/2" dia. (152mm x 13mm) plated steel coupled to square axle.

Max. Temperature: 250°F

Sizes: Minimum size:
8"w x 8"h (203mm x 203mm)

Maximum size:
Single section - 48" w x 72"h
(1219mm x 1829 mm)
Multiple section - size unlimited.

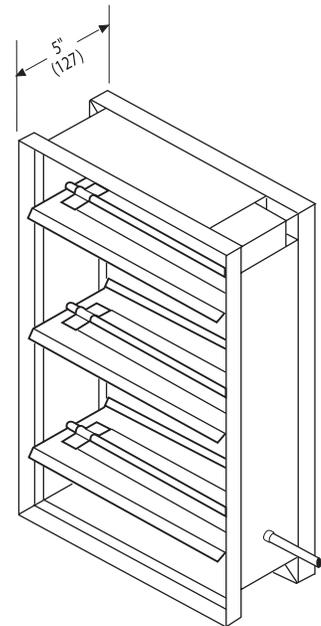
Options:

- Bearings:** Nylon. Press-fit into frame.
- Silicone blades edge seals.

Notes:

- Dampers fabricated 1/4" (6 mm) under opening size unless otherwise noted
- All dampers 32" (813mm) and over are supplied with Jackshafting. (See Jackshafting & Enclosure submittal drawing for details).

Specifications are correct at time of printing. However, as part of our continuous improvement program, we reserve the right to make further improvements without notice.



PROJECT:			
ENGINEER:			
CUSTOMER:		Jul / 12	
SUBMITTAL DATE:	SPEC. SYMBOL:	244966	

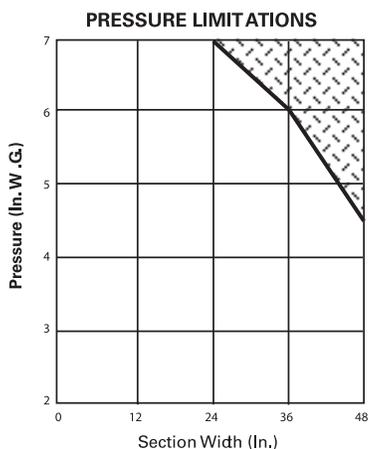
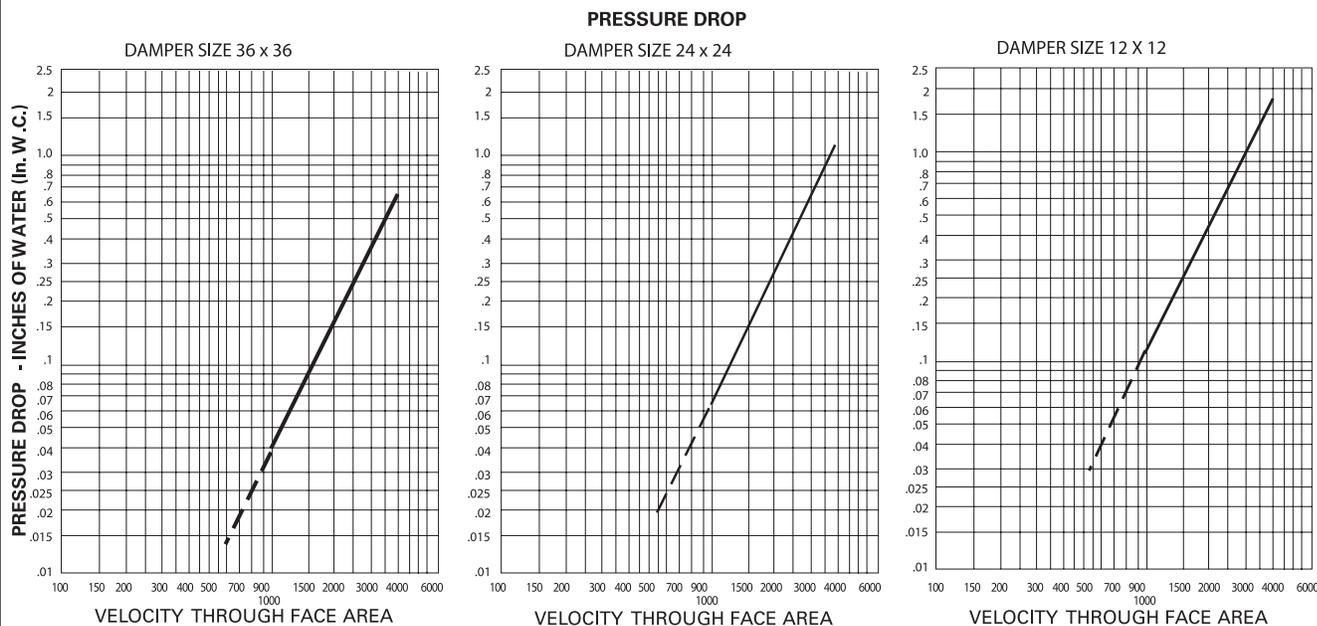
Model CCD-GV5-3V-LLHD

Steel Construction Low Leakage, Heavy Duty Model



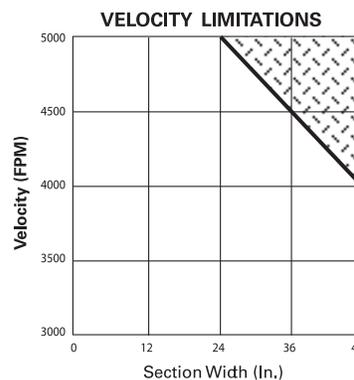
Commercial Control Damper Steel

Pressure drop testing was conducted by an independent laboratory in accordance with the AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream



Pressure & Velocity Limitations presented in the adjoining graphs are conservative in order to avoid mis-applications.

Please contact factory for application guidance if your requirements exceed published limitations.



Leakage Performance test was conducted by an independent laboratory in accordance with AMCA Standard 500-D and is expressed as CFM/SQ. FT. of damper face area.

LEAKAGE	AT 1.0" w.g.	AT 4.0" w.g.	AT 8.0" w.g.	AT 12.0" w.g.
cfm/SQ. FT.	3.5	7.0	9.8	11.2

