



LOW-LEAKAGE VOLUME CONTROL DAMPER - LVCD SERIES 3V-SHAPED STEEL BLADES

STANDARD CONSTRUCTION

Frame: 133mm Roll formed hat-shaped made of 1.2mm thick galvanized steel with reinforced corners, having integral bracing and 90° perpendicular overlap at a corner.

Blades: Roll formed 3 V-shaped made of 1.2mm thick galvanized steel.

Bushes: Brass bushes.

Axles: 1/2" Square axles made of galvanized steel.

Linkage: Mechanical and concealed in frame.

Jamb Seals: Stainless steel jamb seals.

Blades Seal: Silicone blades edges seal/gasket.

Leakage: Class I

Air Flow Rating: 2000 FPM / 4 IWG.

Single section minimum size:

150X150mm for Hat-shaped/Flanged types.

Single section maximum size:

1200X1200mm for Hat-shaped/Flanged types.

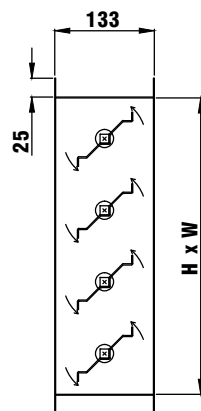
Model LVCDG2BLH



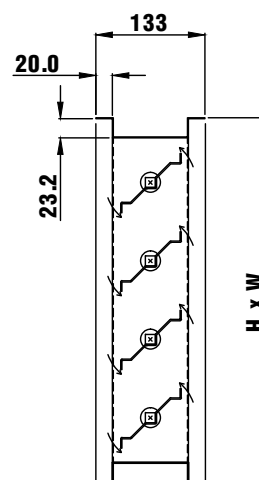
Model MLVCDG2BLH



DIMENSIONS



LVCD-Flange type



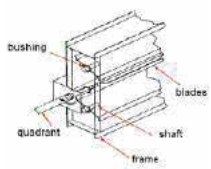
LVCD-Hat type



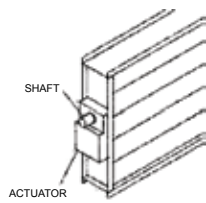


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OPTIONS



FEATURE	MODEL	MANUAL QUADRANT MODELS									
		LVCDG2PLH	LVCDG2BLH	LVCDG2XLH	LVCDG2PLF	LVCDG2BLF	LVCDG2XLF	LVCDG2SLH	LVCDG2SLF	LVCDG2-SCM	LVCDG2-SMC
DRIVE	MANUAL QUADRANT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ELECTRIC ACTUATOR										
BLADE TYPE	G.I. 3V-SHAPED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ALUMINUM AEROFOIL										
BLADE MOVEMENT	OPPOSED										
	PARALLEL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USE	CONTROL (AIR BALANCING)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LOW LEAKAGE APPLICATIONS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CONSTRUCTION	GALVANIZED STEEL	✓	✓	✓	✓	✓				✓	
	STAINLESS STEEL 304						✓	✓	✓		✓
BUSHING/ BEARING TYPE	PLASTIC NYLON BUSHES	✓			✓						
	BRASS BUSHES		✓			✓				✓	
	S.S. BUSHES			✓			✓				
	S.S. BEARING							✓	✓		✓
MECHANISM	G.I. LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PLASTIC GEARS										
FIXING TO DUCT	HAT-SHAPED	✓	✓	✓				✓		✓	✓
	FLANGE				✓	✓	✓		✓		
	SLIP & CLIP										
	BOX TYPE (INSERTED INSIDE DUCT)										



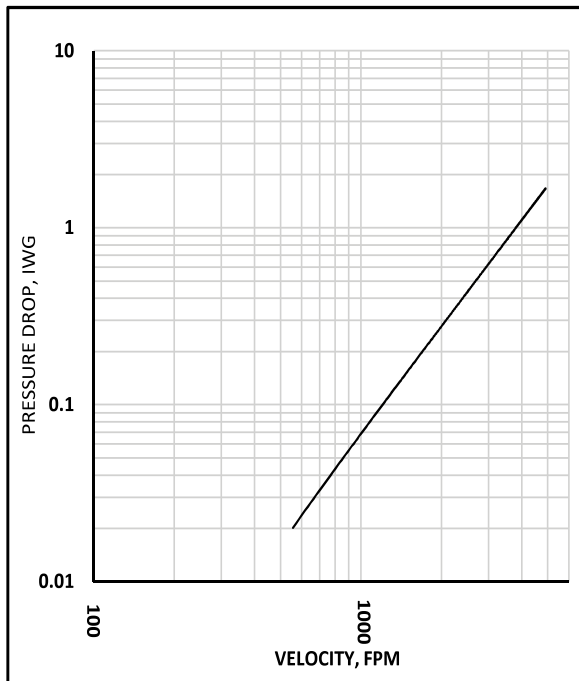
FEATURE	MODEL	MOTORISED MODELS									
		MLVCDG2PLH	MLVCDG2BLH	MLVCDG2XLH	MLVCDG2PLF	MLVCDG2BLF	MLVCDG2XLF	MLVCDG2SLH	MLVCDG2SLF	MLVCDG2-SMC	MLVCDG2-SMC
DRIVE	MANUAL QUADRANT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ELECTRIC ACTUATOR										
BLADE TYPE	G.I. 3V-SHAPED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ALUMINUM AEROFOIL										
BLADE MOVEMENT	OPPOSED										
	PARALLEL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USE	CONTROL (AIR BALANCING)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LOW LEAKAGE APPLICATIONS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CONSTRUCTION	GALVANIZED STEEL	✓	✓	✓	✓	✓	✓			✓	
	STAINLESS STEEL 304							✓	✓		✓
BUSHING/ BEARING TYPE	PLASTIC NYLON BUSHES	✓			✓						
	BRASS BUSHES		✓			✓				✓	
	S.S. BUSHES			✓			✓				
	S.S. BEARING							✓	✓		✓
MECHANISM	G.I. LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PLASTIC GEARS										
FIXING TO DUCT	HAT-SHAPED	✓	✓	✓				✓		✓	✓
	FLANGE				✓	✓	✓		✓		
	SLIP & CLIP										
	BOX TYPE (INSERTED INSIDE DUCT)										





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PERFORMANCE DATA



Note:

Pressure drop test was done at an independent laboratory in accordance with the AMCA 500-D standard on 36"X36" sample.

Maximum Leakage, cfm/ft ²			
Pressure Class	1.0" W.G	4" W.G	8" W.G
1	4	8	11



Ordering Key:

M	L	VCD	G2	B	L	H	SIZE
—: QUADRANT-DRIVEN M: MOTORIZED L: 3V-SHAPED G.I. BLADES LOW-LEAKAGE TYPE VCD: CONTROL DAMPER G1: 0.9MM G.I. CONSTRUCTION G2: 1.2MM G.I. CONSTRUCTION (STANDARD) G3: 1.5MM G.I. CONSTRUCTION G4: 1.7MM G.I. CONSTRUCTION S1: 1.0MM S.S. 304 CONSTRUCTION S2: 1.2MM S.S. 304 CONSTRUCTION S3: 1.5MM S.S. 304 CONSTRUCTION S4: 1.7MM S.S. 304 CONSTRUCTION P: PLASTIC BUSHES B: BRASS BUSHES X: S.S. BUSHES S: S.S. BEARINGS L: G.I. LINKAGE MECHANISM (STANDARD) H: HAT-SHAPED FRAME (STANDARD) F: FLANGED TO DUCT SIZE: WIDTH X HEIGHT Single section minimum size: 150X150mm for Hat-shaped/Flanged types.							

Single section maximum size:
1200X1200mm for Hat-shaped/Flanged types.

