



# 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.

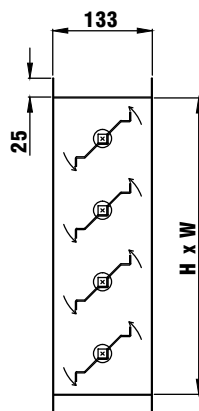
*Model LVCDG2BLH*



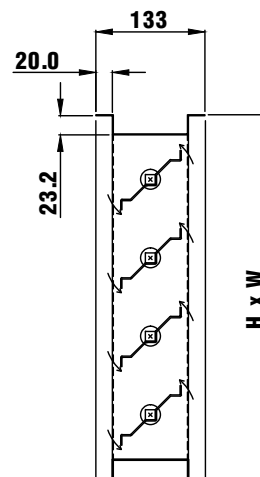
*Model MLVCDG2BLH*



## DIMENSIONS



LVCD-Flange type



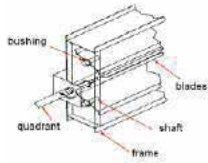
LVCD-Hat type



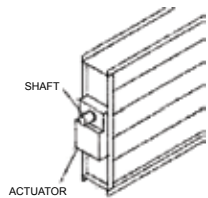


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## OPTIONS



FEATURE	MODEL	MANUAL QUADRANT MODELS							
		LVCDG2BLH	LVCDG2XLH	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. BEARING		✓		✓				✓
	S.S. BEARING					✓	✓		✓
MECHANISM	G.I. LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓
	PLASTIC GEARS								
FIXING TO DUCT	HAT-SHAPED	✓	✓			✓		✓	✓
	FLANGE			✓	✓		✓		
	SLIP & CLIP								
	BOX TYPE (INSERTED INSIDE DUCT)								



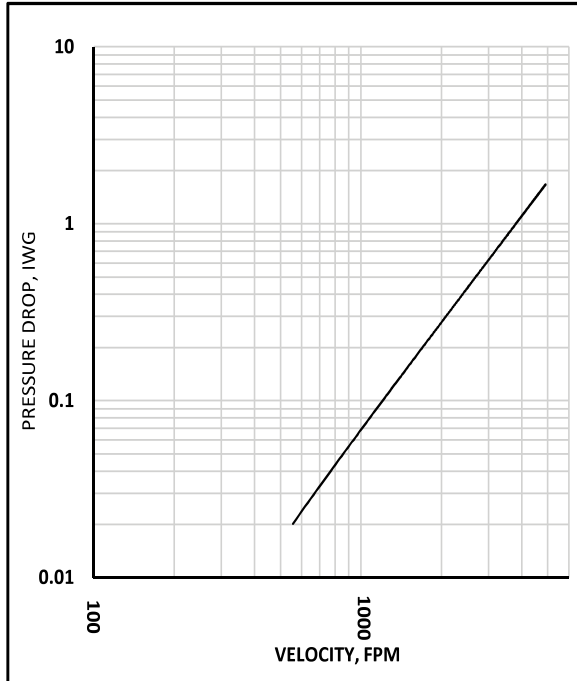
FEATURE	MODEL	MOTORISED MODELS							
		MLVCDG2BLH	MLVCDG2XLH	MLVCDG2BLF	MLVCDG2XLF	MLVCDG2SLH	MLVCDG2SLF	MLVCDG2-SMC	MLVCDG2-SMC
DRIVE	MANUAL QUADRANT	✓	✓	✓	✓	✓	✓	✓	✓
	ELECTRIC ACTUATOR								
BLADE TYPE	G.I. 3V-SHAPED	✓	✓	✓	✓	✓	✓	✓	✓
	ALUMINUM AEROFOIL								
BLADE MOVEMENT	OPPOSED								
	PARALLEL	✓	✓	✓	✓	✓	✓	✓	✓
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 <sup>2</sup>			
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-DRIVED 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 B: BRASS BUSHES (STANDARD) 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.

