VOLUME CONTROL DAMPER - AVCD SERIES AEROFOIL BLADES

STANDARD CONSTRUCTION

Frame: 1.2mm thick galvanized steel sheet.
Blades: Aerofoil 1.0mm double skin extruded Aluminum profiles/ GI Sheet.
Axles: ½" square galvanized steel rod.
Linkage: Made of galvanized steel. Concealed in frame.
Bushing: Self lubricating plastic nylon bushes.
Quadrant: Plated steel with wing nut to lock the blades position. Marked to show the position of the blades.
Fixing to duct: Flanged frame.
Single section minimum size:
100X100mm for Flanged/Box/Slip & clip types.
100X150mm for Hat-shaped type.
Single section maximum size:
1200X1200mm for Hat-shaped/Flanged types.
1000X1000mm for Slip & clip/Box types.

Model A..VCDG2PLF

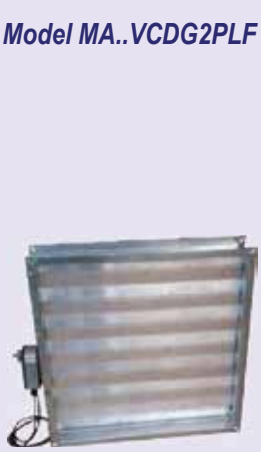
BOX TYPE

S&C TYPE

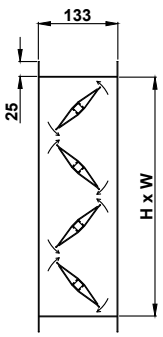
FLANGED TYPE

HAT-SHAPE TYPE

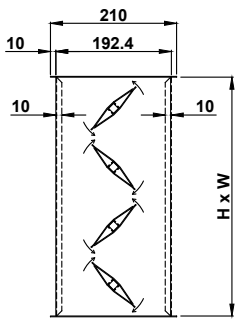
Model MA..VCDG2PLF



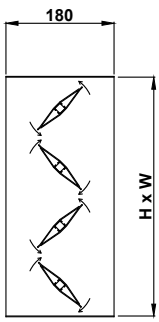
DIMENSIONS



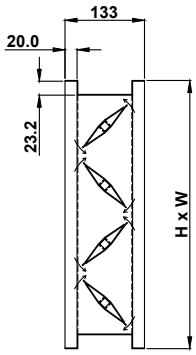
AVCD-Flange type



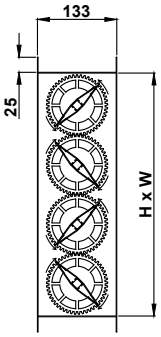
AVCD-Slip & Clip type



AVCD-Box type



AVCD-Hat type

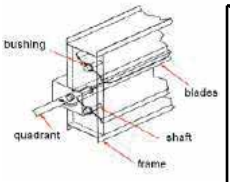


AVCD with gear mechanism

Plastic Bushes

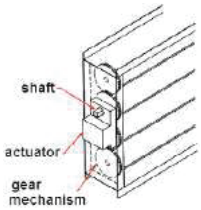
VOLUME CONTROL DAMPER - AVCD SERIES
AEROFOIL BLADES

ALUMINIUM BLADES OPTIONS



	FEATURE \ MODEL	AUVCDG2PLH	AUVCDG2BLH	AUVCDG2PLF	AUVCDG2BLF	AUVCDG2PLS	AUVCDG2BLS	AUVCDG2PLB	AUVCDG2BLB	AUVCDG2PGH	AUVCDG2BGH	AUVCDG2PGF	AUVCDG2BGF	AUVCDG2PGS	AUVCDG2BGS	AUVCDG2PGB	AUVCDG2BGB	AUVCDS2SLH	AUVCDS2SLF	AUVCDS2SLS	AUVCDS2BLB	AUVCDS2SGH	AUVCDS2SGF	AUVCDS2SGS	AUVCDS2SGB	AUVCDG2-SMC	AUVCDS2-SMC
		MANUAL QUADRANT MODELS																									
DRIVE	MANUAL QUADRANT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ELECTRIC ACTUATOR																										
BLADE TYPE	G.I. AEROFOIL BLADES																										
	ALUMINUM AEROFOIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BLADE MOVEMENT	OPPOSED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PARALLEL	ABOVE MODELS (EXCEPT THE ONES WITH GEAR MECHANISM) CAN BE WITH PARALLEL BLADES, PLS. WRITE "PARALLEL" ON YOUR ORDER																									
USE	CONTROL (AIR BALANCING)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LOW LEAKAGE (AIR TIGHT SHUT OFF)																										
FRAME CONSTRUCTION	GALVANIZED STEEL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	
	STAINLESS STEEL 304																	✓	✓	✓	✓	✓	✓	✓	✓		✓
BUSHING/ BEARING TYPE	PLASTIC NYLON BUSHES	✓		✓		✓		✓		✓		✓		✓		✓											
	BRASS BUSHES		✓		✓		✓		✓		✓		✓		✓		✓									✓	
	S.S. BEARING																	✓	✓	✓	✓	✓	✓	✓	✓		✓
MECHANISM	G.I. LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓					✓	✓
	PLASTIC GEARS											✓	✓	✓	✓	✓	✓					✓	✓	✓	✓		
FIXING TO DUCT	HAT-SHAPED	✓	✓							✓	✓							✓				✓				✓	✓
	FLANGE			✓	✓							✓	✓						✓				✓				
	SLIP & CLIP					✓	✓							✓	✓					✓				✓			
	BOX TYPE (INSERTED INSIDE DUCT)							✓	✓							✓	✓				✓				✓		

**Other options of S.S. bushes "X" and S.S. bearing "S" are shown at the ordering key.

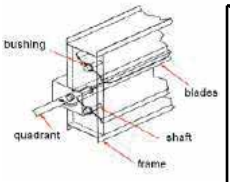


	FEATURE \ MODEL	MAUVCDG2PL	MAUVCDG2BLH	MAUVCDG2PLF	MAUVCDG2BLF	MAUVCDG2PLS	MAUVCDG2BLS	MAUVCDG2PLB	MAUVCDG2BLB	MAUVCDG2PGH	MAUVCDG2BGH	MAUVCDG2PGF	MAUVCDG2BGF	MAUVCDG2PGS	MAUVCDG2BGS	MAUVCDG2PGB	MAUVCDG2BGB	MAUVCDS2SLH	MAUVCDS2SLF	MAUVCDS2SLS	MAUVCDS2BLB	MAUVCDS2SGH	MAUVCDS2SGF	MAUVCDS2SGS	MAUVCDS2SGB	MAUVCDG2-SMC	MAUVCDS2-SMC
		MOTORIZED MODELS																									
DRIVE	MANUAL QUADRANT																										
	ELECTRIC ACTUATOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BLADE TYPE	G.I. AEROFOIL BLADES																										
	ALUMINUM AEROFOIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BLADE MOVEMENT	OPPOSED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PARALLEL	ABOVE MODELS (EXCEPT THE ONES WITH GEAR MECHANISM) CAN BE WITH PARALLEL BLADES, PLS. WRITE "PARALLEL" ON YOUR ORDER																									
USE	CONTROL (AIR BALANCING)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LOW LEAKAGE (AIR TIGHT SHUT OFF)																										
FRAME CONSTRUCTION	GALVANIZED STEEL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	
	STAINLESS STEEL 304																	✓	✓	✓	✓	✓	✓	✓	✓		✓
BUSHING/ BEARING TYPE	PLASTIC NYLON BUSHES	✓		✓		✓		✓		✓		✓		✓		✓											
	BRASS BUSHES		✓		✓		✓		✓		✓		✓		✓		✓									✓	
	S.S. BEARING																	✓	✓	✓	✓	✓	✓	✓	✓		✓
MECHANISM	G.I. LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓					✓	✓
	PLASTIC GEARS											✓	✓	✓	✓	✓	✓					✓	✓	✓	✓		
FIXING TO DUCT	HAT-SHAPED	✓	✓							✓	✓							✓				✓				✓	✓
	FLANGE			✓	✓							✓	✓						✓				✓				
	SLIP & CLIP					✓	✓							✓	✓					✓				✓			
	BOX TYPE (INSERTED INSIDE DUCT)							✓	✓							✓	✓				✓				✓		

**Other options of S.S. bushes "X" and S.S. bearing "S" are shown at the ordering key.

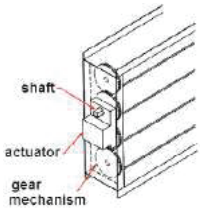
VOLUME CONTROL DAMPER - AVCD SERIES
AEROFOIL BLADES

STEEL BLADES OPTIONS



	FEATURE \ MODEL	MANUAL QUADRANT MODELS																								
		AGVCDG2PLH	AGVCDG2BLH	AGVCDG2PLF	AGVCDG2BLF	AGVCDG2PLS	AGVCDG2BLS	AGVCDG2PLB	AGVCDG2BLB	AGVCDG2PGH	AGVCDG2BGH	AGVCDG2PGF	AGVCDG2BGF	AGVCDG2PGS	AGVCDG2BGS	AGVCDG2PGB	AGVCDG2BGB	AGVCDS2SLH	AGVCDS2SLF	AGVCDS2SLS	AGVCDS2BLB	AGVCDS2SGH	AGVCDS2SGF	AGVCDS2SGS	AGVCDS2SGB	AGVCDG2-SMC	AGVCDS2-SMC
DRIVE	MANUAL QUADRANT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ELECTRIC ACTUATOR																									
BLADE TYPE	G.I. AEROFOIL BLADES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	
	STAINLESS STEEL AEROFOIL																	✓	✓	✓	✓	✓	✓	✓	✓		✓
BLADE MOVEMENT	OPPOSED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PARALLEL	ABOVE MODELS (EXCEPT THE ONES WITH GEAR MECHANISM) CAN BE WITH PARALLEL BLADES, PLS. WRITE "PARALLEL" ON YOUR ORDER																								
USE	CONTROL (AIR BALANCING)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LOW LEAKAGE (AIR TIGHT SHUT OFF)																										
FRAME CONSTRUCTION	GALVANIZED STEEL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	
	STAINLESS STEEL 304																	✓	✓	✓	✓	✓	✓	✓	✓		✓
BUSHING/ BEARING TYPE	PLASTIC NYLON BUSHES	✓		✓		✓		✓		✓		✓		✓		✓											
	BRASS BUSHES		✓		✓		✓		✓		✓		✓		✓		✓									✓	
	S.S. BEARING																	✓	✓	✓	✓	✓	✓	✓	✓		✓
MECHANISM	STEEL LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓					✓	✓
	PLASTIC GEARS											✓	✓	✓	✓	✓	✓					✓	✓	✓	✓		
FIXING TO DUCT	HAT-SHAPED	✓	✓							✓	✓							✓				✓				✓	✓
	FLANGE			✓	✓							✓	✓						✓				✓				
	SLIP & CLIP					✓	✓							✓	✓					✓				✓			
	BOX TYPE (INSERTED INSIDE DUCT)							✓	✓							✓	✓				✓				✓		

**Other options of S.S. bushes "X" and S.S. bearing "S" are shown at the ordering key.

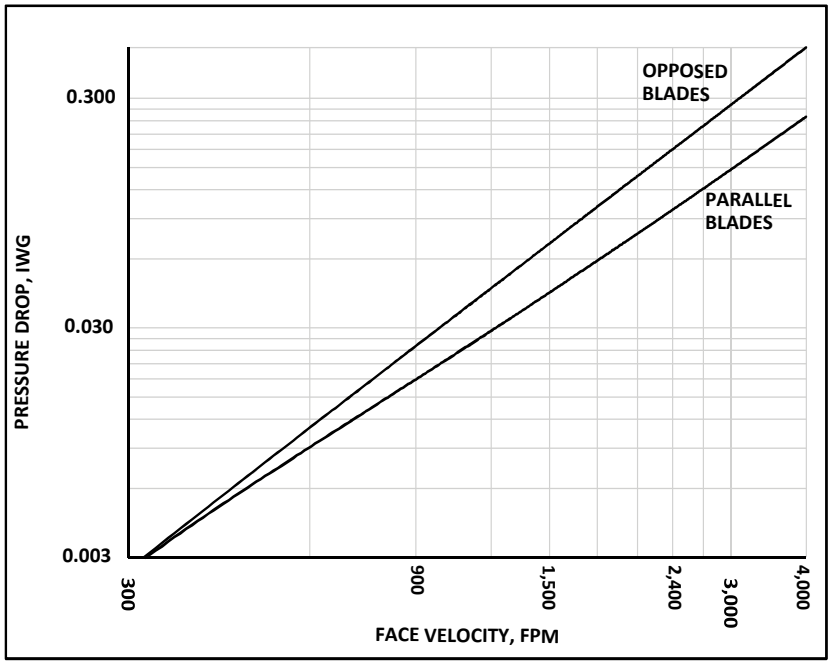


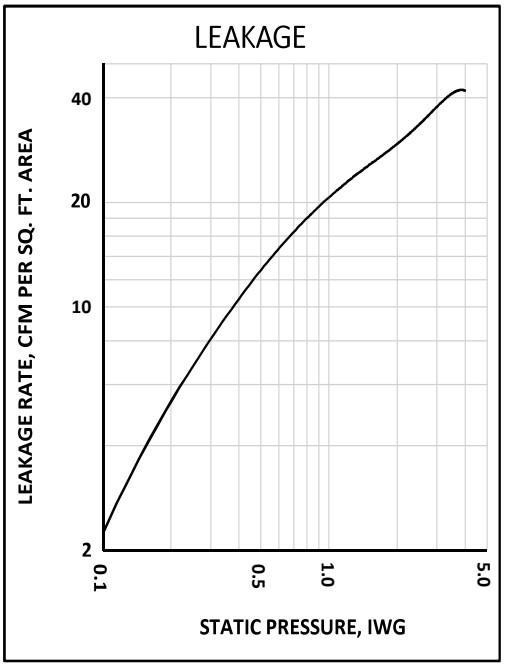
	FEATURE \ MODEL	MOTORIZED MODELS																								
		MAGVCDG2PLH	MAGVCDG2BLH	MAGVCDG2PLF	MAGVCDG2BLF	MAGVCDG2PLS	MAGVCDG2BLS	MAGVCDG2PLB	MAGVCDG2BLB	MAGVCDG2PGH	MAGVCDG2BGH	MAGVCDG2PGF	MAGVCDG2BGF	MAGVCDG2PGS	MAGVCDG2BGS	MAGVCDG2PGB	MAGVCDG2BGB	MAGVCDS2SLH	MAGVCDS2SLF	MAGVCDS2SLS	MAGVCDS2BLB	MAGVCDS2SGH	MAGVCDS2SGF	MAGVCDS2SGS	MAGVCDS2SGB	MAGVCDG2-SMC	MAGVCDS2-SMC
DRIVE	MANUAL QUADRANT																										
	ELECTRIC ACTUATOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BLADE TYPE	G.I. AEROFOIL BLADES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	
	STAINLESS STEEL AEROFOIL																	✓	✓	✓	✓	✓	✓	✓	✓		✓
BLADE MOVEMENT	OPPOSED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PARALLEL	ABOVE MODELS (EXCEPT THE ONES WITH GEAR MECHANISM) CAN BE WITH PARALLEL BLADES, PLS. WRITE "PARALLEL" ON YOUR ORDER																								
USE	CONTROL (AIR BALANCING)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LOW LEAKAGE (AIR TIGHT SHUT OFF)																										
FRAME CONSTRUCTION	GALVANIZED STEEL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	
	STAINLESS STEEL 304																	✓	✓	✓	✓	✓	✓	✓	✓		✓
BUSHING/ BEARING TYPE	PLASTIC NYLON BUSHES	✓		✓		✓		✓		✓		✓		✓		✓											
	BRASS BUSHES		✓		✓		✓		✓		✓		✓		✓		✓									✓	
	S.S. BEARING																	✓	✓	✓	✓	✓	✓	✓	✓		✓
MECHANISM	STEEL LINKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓					✓	✓
	PLASTIC GEARS											✓	✓	✓	✓	✓	✓					✓	✓	✓	✓		
FIXING TO DUCT	HAT-SHAPED	✓	✓							✓	✓							✓				✓				✓	✓
	FLANGE			✓	✓							✓	✓						✓				✓				
	SLIP & CLIP					✓	✓							✓	✓					✓				✓			
	BOX TYPE (INSERTED INSIDE DUCT)							✓	✓							✓	✓				✓				✓		

**Other options of S.S. bushes "X" and S.S. bearing "S" are shown at the ordering key.

VOLUME CONTROL DAMPER - AVCD SERIES
AEROFOIL BLADES

PERFORMANCE DATA





Ordering Key:

M	AU	VCD	G2	P	L	F	SIZE

- M: ---:
  - QUADRANT DRIVEN
  - M: MOTORIZED
- AU: AEROFOIL ALUMINUM BLADES
- AG: AEROFOIL STEEL BLADES
- VCD: VOLUME CONTROL DAMPER
- GI: 0.9MM G.I.CONSTRUCTION
- G2: 1.2MM G.I.CONSTRUCTION (STANDARD)
- G3: 1.5MM G.I.CONSTRUCTION
- G4: 1.7MM G.I.CONSTRUCTION
- SI: 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 NYLON BUSHES
- B: BRASS BUSHES
- X: S.S. BUSHES
- S: S.S. BEARINGS
- L: STEEL LINKAGE MECHANISM (STANDARD)
- G: PLASTIC GEARS MECHANISM
- H: HAT-SHAPED FRAME
- F: FLANGED TO DUCT (STANDARD)
- S: SLIP & CLIP WITH DUCT
- B: BOX TYPE (INSERTED INSIDE DUCT)
- SIZE: WIDTH X HEIGHT

Single section minimum size:
100X100mm for Flanged/Box/Slip & clip types.
100X150mm for Hat-shaped types.

Single section maximum size:
1200X1200mm for Hat-shaped/Flanged types.
1000X1000mm for Slip & Clip/ Box types.