



DAMPERS & ACCESSORIES

VOLUME CONTROL DAMPER VCD - 100:

FRAME:

GALVANIZED STEEL 0.8 MM (22 ga.)
FOR SLIP & DRIVE CONNECTIONS.

BLADES:

GALVANIZED STEEL 1.2 MM (18 ga.)

CASE BEARING:

BRASS OR PLASTIC BEARING.

AXLE:

8 MM DIAMETER, MILD STEEL.

LINKAGE:

FACELINKAGEPARALLELOROPPOSED
BLADES OPERATION.

SIZE:

MINIMUM	100 X 100 MM
MAXIMUM	300 X 300 MM



Single and multi-blade volume control damper are designed for quiet, efficient, and reliable air volume control in ventilation system.

The VCD -100 Damper is a ruggedly built damper with a frame for slip & drive connections to ductwork. The blades are formed of single skin reinforced steel, with a longitudinal structurally designed vee.

Dampers can be manual with a locking quadrant or motorized with a wide range of electric actuators.



Flange Type VCD - 200:

FRAME :

GALVANIZED STEEL 1.2MM (18ga.)
FORMED CHANNEL FOR FLANGE
CONNECTIONS OR SLEEVE TYPE IN-
SIDE DUCTWORK.

BLADES :

GALVANIZED STEEL 1.2MM (18ga.)
250 MM MAX. WIDTH.

CASE BEARING :

BRASS BEARING.

AXLE :

12 MM DIAMETER , MILD STEEL.

LINKAGE :

FACE LINKAGE PARALLEL OR
OPPOSED

BLADES OPERATION.

SIZE :

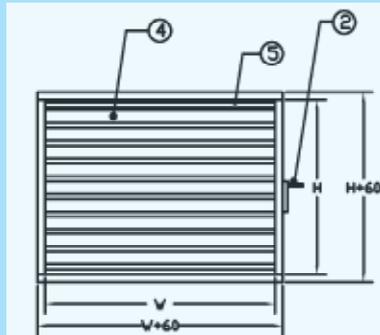
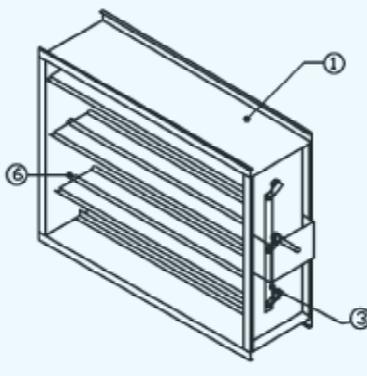
MINIMUM 100 X 100 MM

MAXIMUM 1200 X 1800 MM



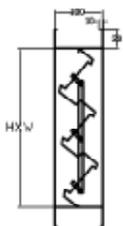
STANDARD SIZES

W in mm	H in mm	Nbr of blades
150	150	1
200	200	1
250	250	1
300	300	2
350	450	3
400	600	4
450	750	5
500	900	6
550	1050	7
600	1200	8
650	1350	9
700	1500	10
750	1650	11
800	1800	12

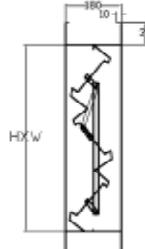


1-Casing 2-Drive Shaft 3-Side Linkage
4- Blade 5- Landing Angles 6- Bearing.

Parallel Blades (PB)



Opposed Blades (OB)



Sleeve Type VCD 300

FRAME :

GALVANIZED STEEL 1.2MM (18ga.)
STRUCTURALLY DESIGNED HAT
SECTION.

BLADES :

GALVANIZED STEEL 1.2MM (18ga.)
300 MM MAX. WIDTH.

CASE BEARING :

BRASS BEARING.

AXLE :

12 MM DIAMETER, MILD STEEL.

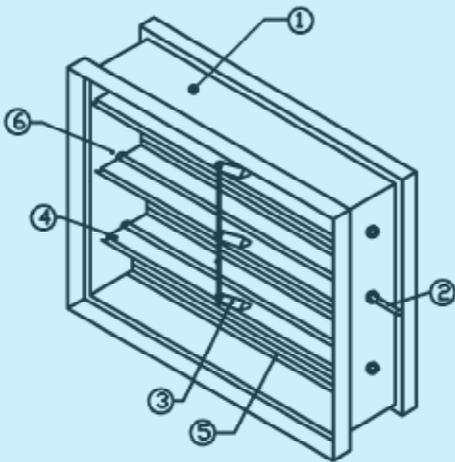
LINKAGE :

FACELINKAGE PARALLEL OR OPPOSED
BLADES OPERATION.

SIZE :

MINIMUM 100 X 100 MM

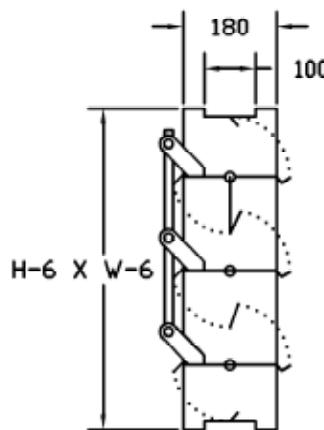
MAXIMUM 1200 X 1800 MM



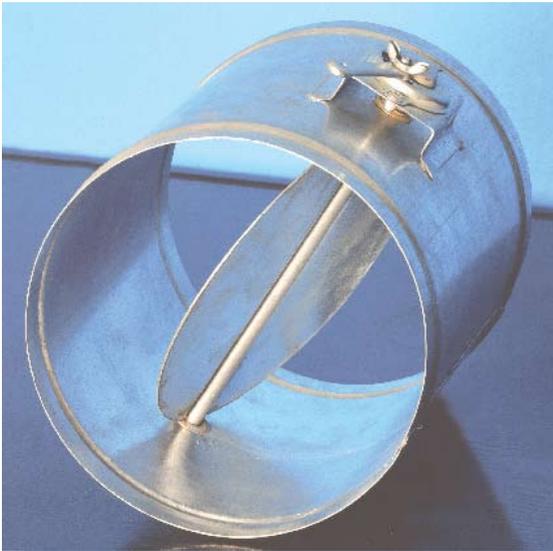
- 1- Casing
- 2- Drive Shaft
- 3- Bar Linkage
- 4- Blade
- 5- Landing Angles
- 6- Bearing

Parallel Blades (PB)

STANDARD SIZES

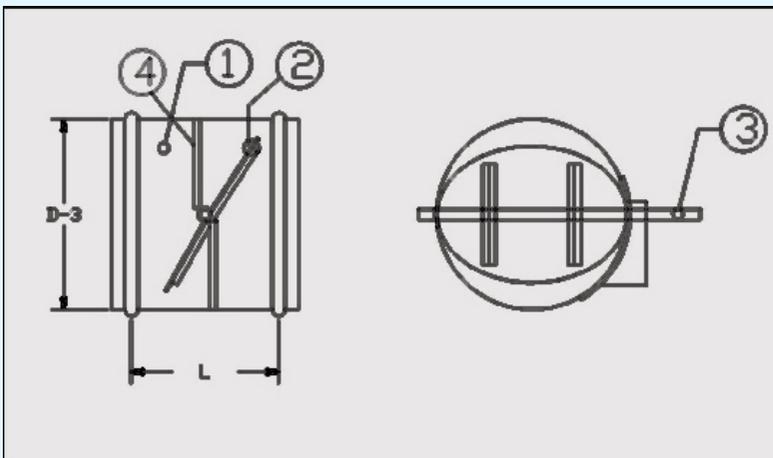


W in mm	H in mm	Nb of blades
100	100	1
150	150	1
200	200	1
250	250	1
300	300	1
350	350	2
400	400	2
450	450	2
500	500	2
550	600	3
600	700	4
650	800	4
700	900	5
750	1000	6
800	1100	6
850	1200	7
900	1300	8
950	1400	8
1000	1500	9
1050	1600	10
1100	1700	11
1200	1800	12



Casing & blades made from galvanized steel sheets .
Adjustable damper blade is mounted on brass bushes
with a manually operated quadrant and a position
indicator .The damper is used for regulating air flow
or as a shutt-off damper when complete sealing
against
Air flow is not required.

Dampers can be manual with locking quadrant or
motorized with a wide range of electric actuators
readily available.



- | | |
|----------------|------------------|
| 1- Casing | 2- Blade |
| 3- Drive Shaft | 4- Landing plate |

Round Volume Dampers:

TYPE RVD-100

BODY :

GALVANIZED STEEL

0.8mm (22 ga.) : from
Dia.80mm to 500mm.

BLADE :

GALVANIZED STEEL

1.0mm (20 ga.)

CASE BEARING :

BRASS OR PLASTIC BEARING.

AXLE :

8MM DIAMETER , MILD
STEEL.

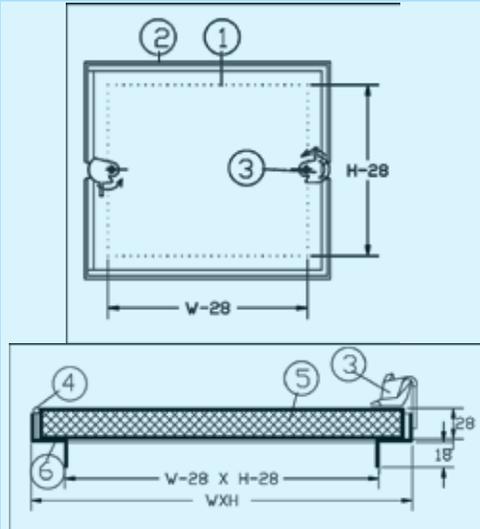
SIZE :

MINIMUM : 80mm

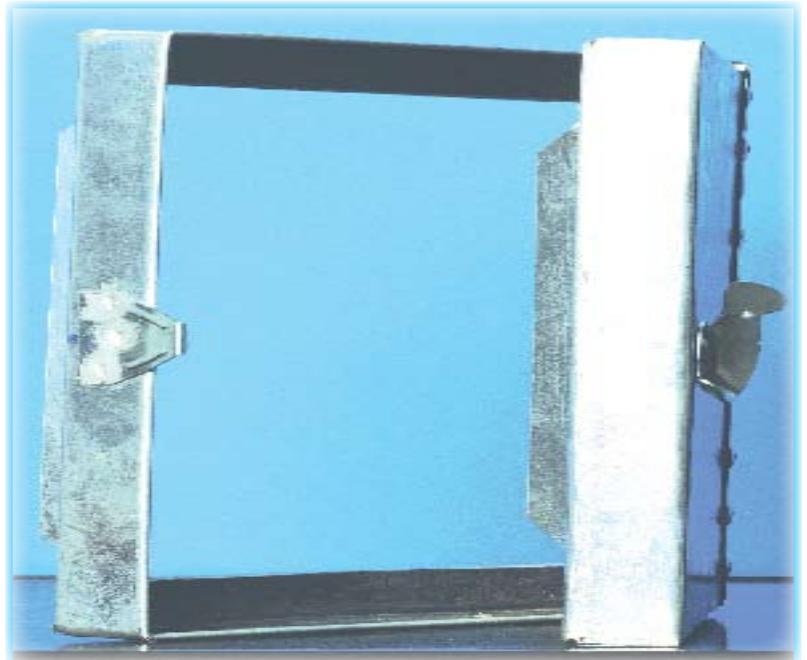
MAXIMUM : 610mm

Access Doors:

TL 675 H OR BH: Access doors of 25mm thickness with double walled and mineral wool insulation are designed to provide access to fire dampers, volume control dampers, filters ...etc.



- 1- Door panel
- 2- Frame
- 3- Self tightening camlocks
- 4- Continuous Piano Hinged
- 5- Mineral wool insulation
- 6- Gasket



Type TL 675 H

*Continuous hinge on one edge and one camlock on the opposite edge up to 350mm.

*Two camlocks on opposite edge on larger sizes.

PRODUCT CODE:

TL 675 H - 150 / 150
TYPE W H

STANDARD FRAME SIZES

150X150	300X300	400X400	600X600
200X200	350X250	450X300	
250X200	350X350	500X500	
250X250	400X300	600X450	



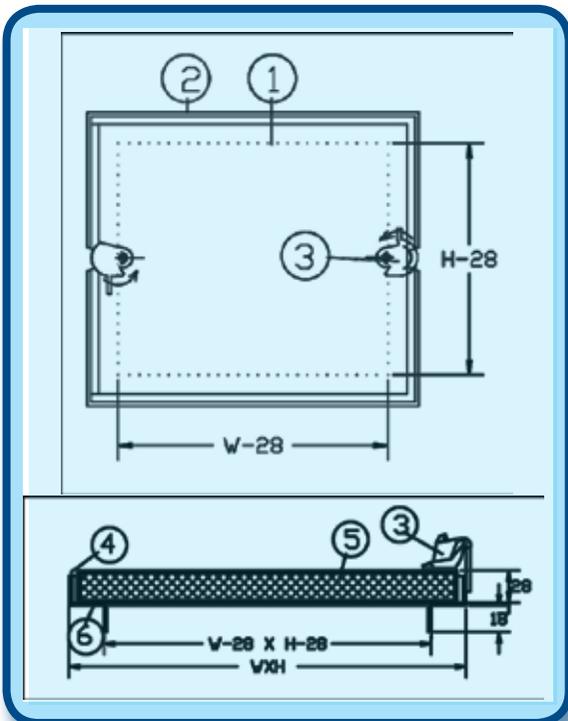
PRODUCT CODE:

TL 675 C - 150 / 150
TYPE W H

Type TL 675 C

*Continuous hinge on one edge and one camlock on the opposite edge up to 350mm.

*Two camlocks on opposite edge on larger sizes.



- 1- Door panel
- 2- Frame
- 3-Selftighteningcamlocks
- 4- Gasket
- 5-Mineralwoolinsulation

Access Doors:

TL 675 C

Accessdoors of 25mm thickness with doublewalled and mineral wool insulation.

Designed to provide access to fire dampers, volume control dampers, filters, etc.

Type TL 675 C

Self tightening camlocks
2 per unit up to 350mm
4 per unit on larger sizes



Plenum Boxes:

PLENUM BOXES FOR SLOT DIFFUSER

PLENUM BOX:

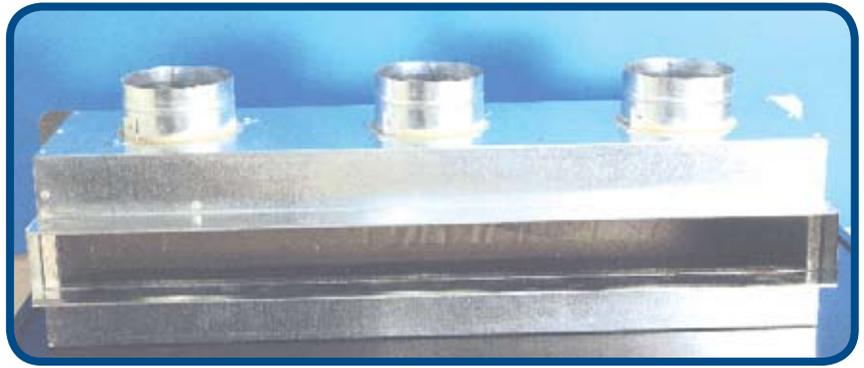
Built using galvanized steel sheets (gauge 24), lock forming quality, G90 zinc coating.

INSULATION:

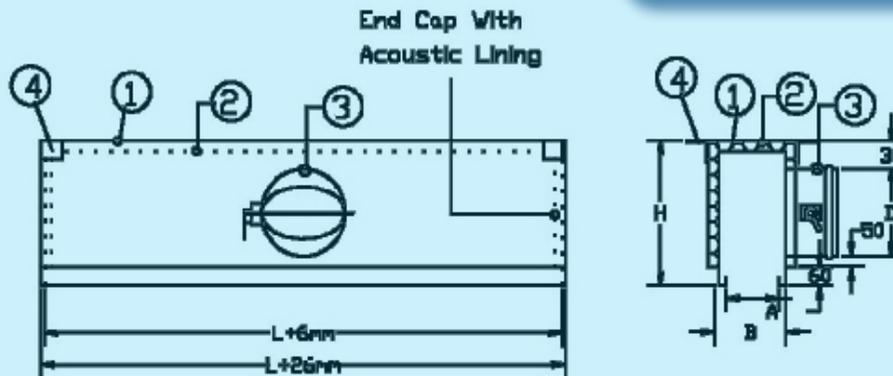
15mm or 25mm thick acoustic lining with black glass tissue facing, (32kg/m^3). Acoustic lining is fixed inside the plenum box with a non-flammable adhesive & mechanical fasteners (cupped head pins).

SPIGOT:

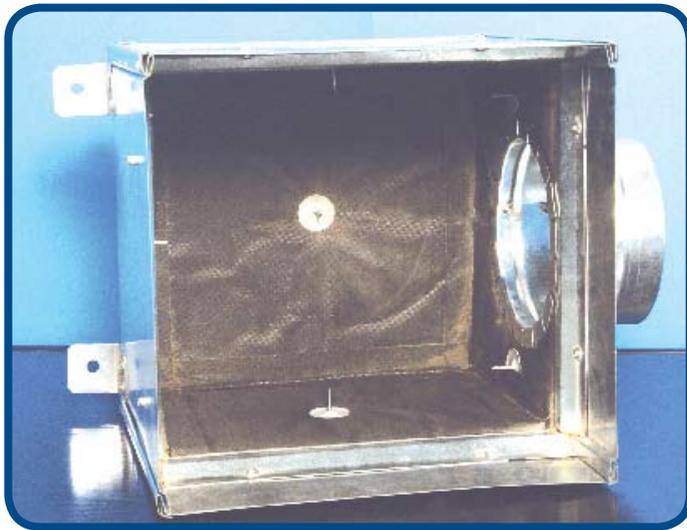
Spigot inlet with damper comes as standard.



1- Casing 2- Acoustic Lining
3- Spigot Inlet 4- Hanging Bracket

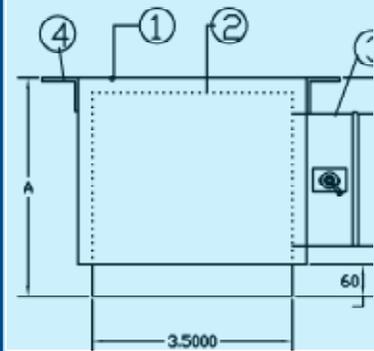


Optional Extra	SIZES Of Plenum Box			
	Diffuser No. of slots	Diffuser Size A X L (mm)	Plenum Size B X L+6(mm)	Spigot Inlet Dia (mm)
1. Spigot inlet without damper.	1	40 x L	60 x L+ 6	100
	2	78 x L	98 x L+ 6	150
	3	117 x L	137 x L+ 6	200
	4	155 x L	175 x L+ 6	250
	5	193 x L	213 x L+ 6	300
	6	232 x L	252 x L+ 6	350
	7	270 x L	290 x L+ 6	400
	8	309 x L	328 x L+ 6	450
2. With perforated sheet covering the acoustic liner facing the air stream to prevent damage and fibers erosion.				
3. Plenum box built of stainless steel sheet.				



Plenum Boxes:

PLENUM BOXES FOR SUPPLY DIFFUSER



1- Casing 2- Acoustic Lining
3-Spigot Inlet 4-Hanging Bracket

Optional Extra	SIZES Of Plenum Box			
	Item No.	Diffuser Size H X L (mm)	Plenum Size H +5XL+5(mm)	Spigot Inlet Dia (mm)
1. Spigot inlet without damper.	1	150x150	155x155	100
2. With perforated sheet covering the acoustic liner facing the air stream to prevent damage and fibers erosion.	2	225x225	230x230	150
	3	300x300	305x305	200
	4	375x375	380x380	250
3. Plenum box built of stainless steel sheet.	5	450x450	455x455	300
	6	525x525	530x530	350
	7	600x600	605x605	400

Light Troffers:

Double side troffer (diffuser type) DST-100.

Type DST troffers are designed to provide double side concealed air distribution when installed behind the light fixture.

Casing

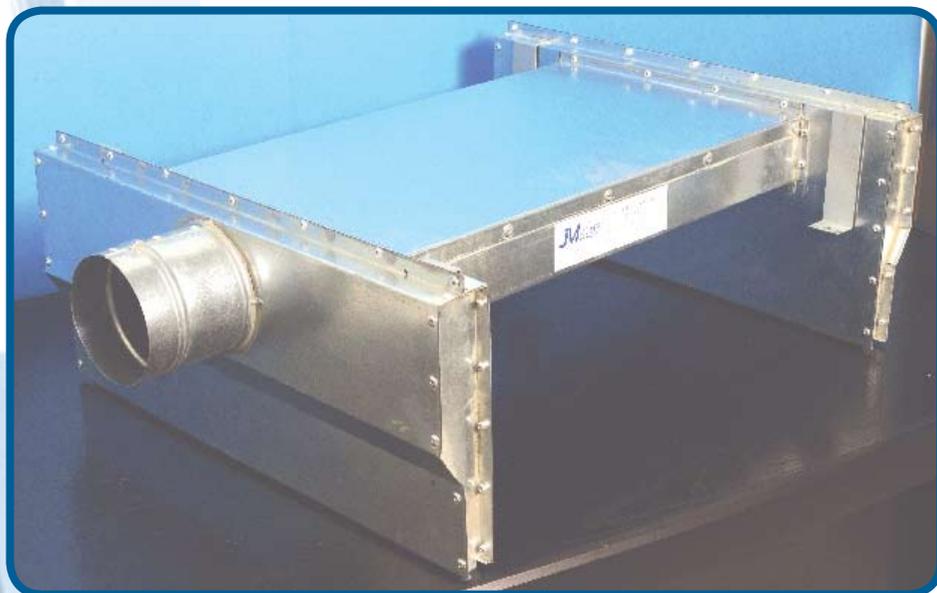
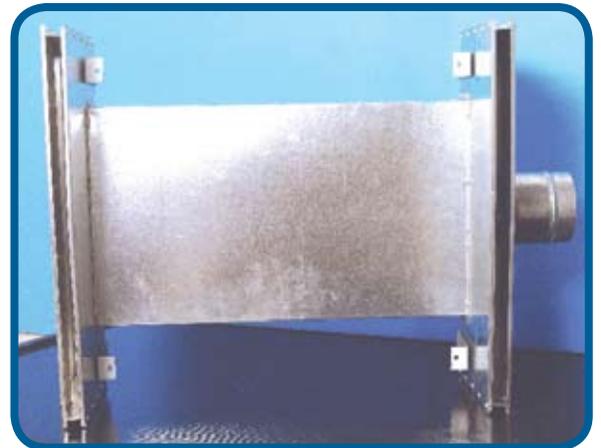
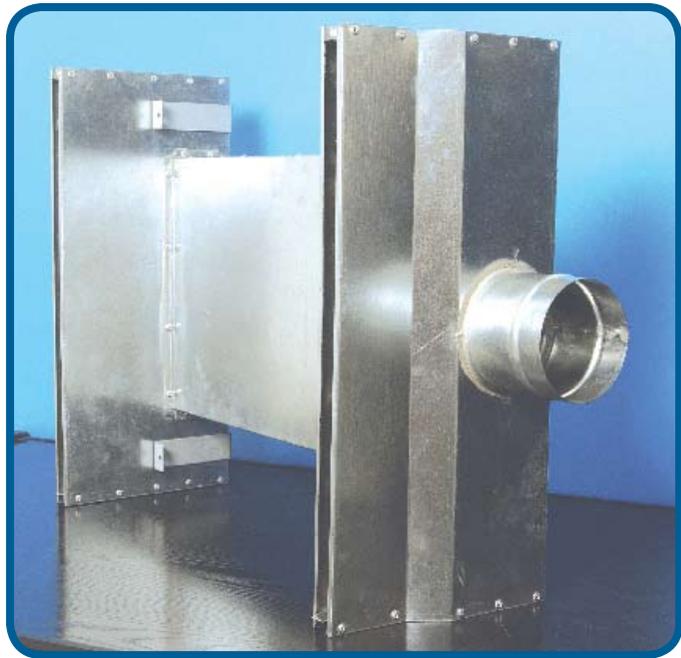
Built of galvanized steel (gauge 22), conforming to ASTM A 653, lock forming quality, G90 zinc coating.

Spigot

Inlet spigot without damper comes as standard.

Size

Troffer size varies as per luminaire's actual size.





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