VOLUME CONTROL DAMPER

MODEL: VCD
RVCD
MVCD

FEATURES

- Blades and frame are constructed of high quality corrosion resistant galvanised steel.
- Opposed blade action is standard.
- Damper height exceeding 300mm supplied in multiple blades.
- Length of Damper blade exceeding 1000mm is supplied with intermediate mullion.
- Control operation is done manually by using worm-gear as standard.
- Unless specified, otherwise damper comes without matching flange.
- Standard depth of damper is 210mm.
- SUS is available on request.

ACCESSORIES

Additional angle flanges x 2 with matching holes to damper to be fixed to the duct and connected to damper.

ORDER KEY

VCD, RVCD, MVCD

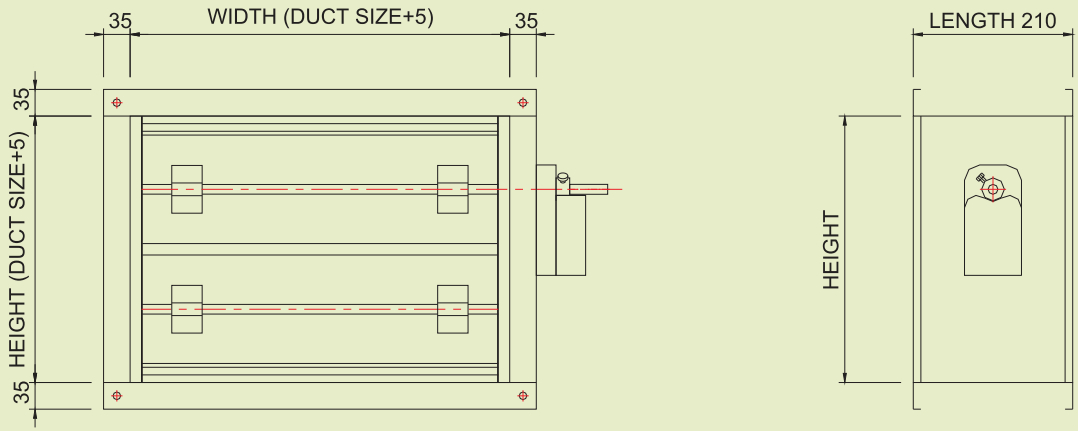
VCD

RVCD

MVCD

MODEL: MVCD

Motorized Duct Volume Control Damper
(Please contact us for details of motor specifications)



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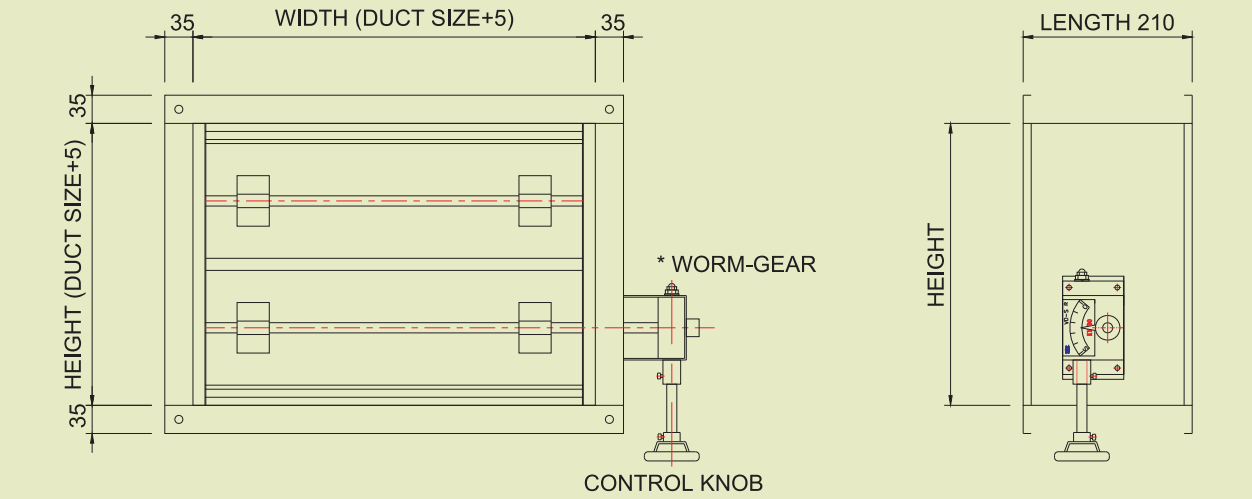
VOLUME CONTROL DAMPER

MODEL: VCD

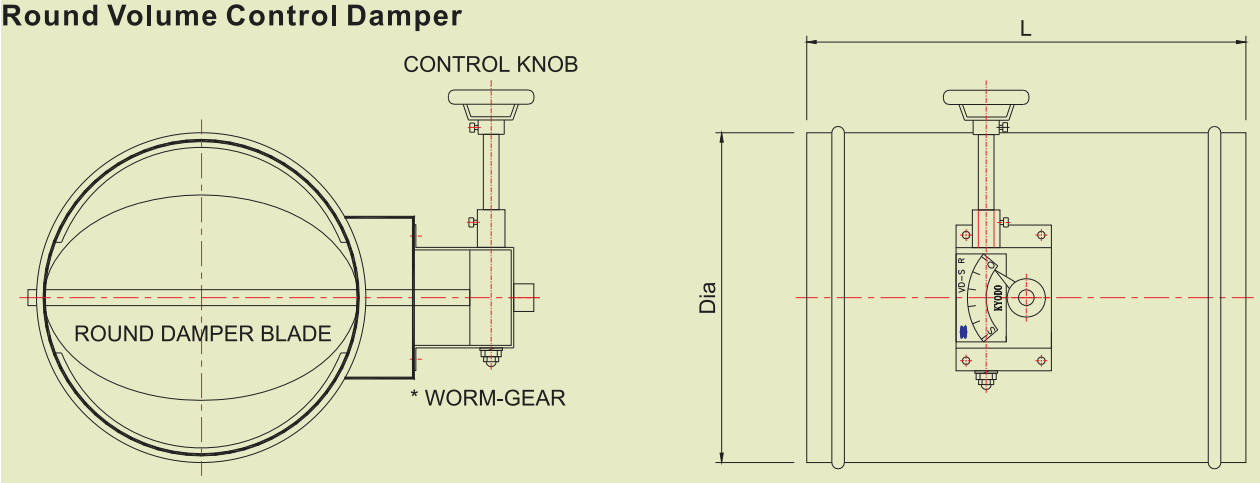
Manual Duct Volume Control Damper



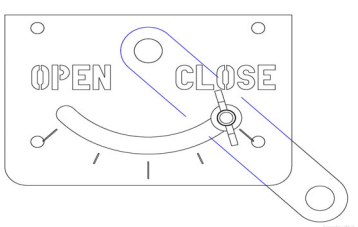
* Unique Worm-Gear design
(Registered Singapore Patent No. 167/91)

MODEL: RVCD

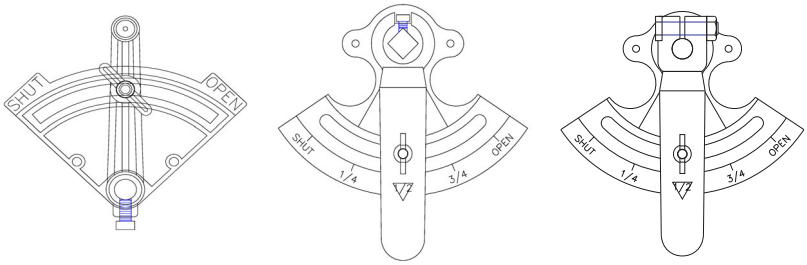
Round Volume Control Damper



* Unique Worm-Gear design
(Registered Singapore Patent No. 167/91)



QUADRANT
(Standard)



QUADRANT
(Optional)

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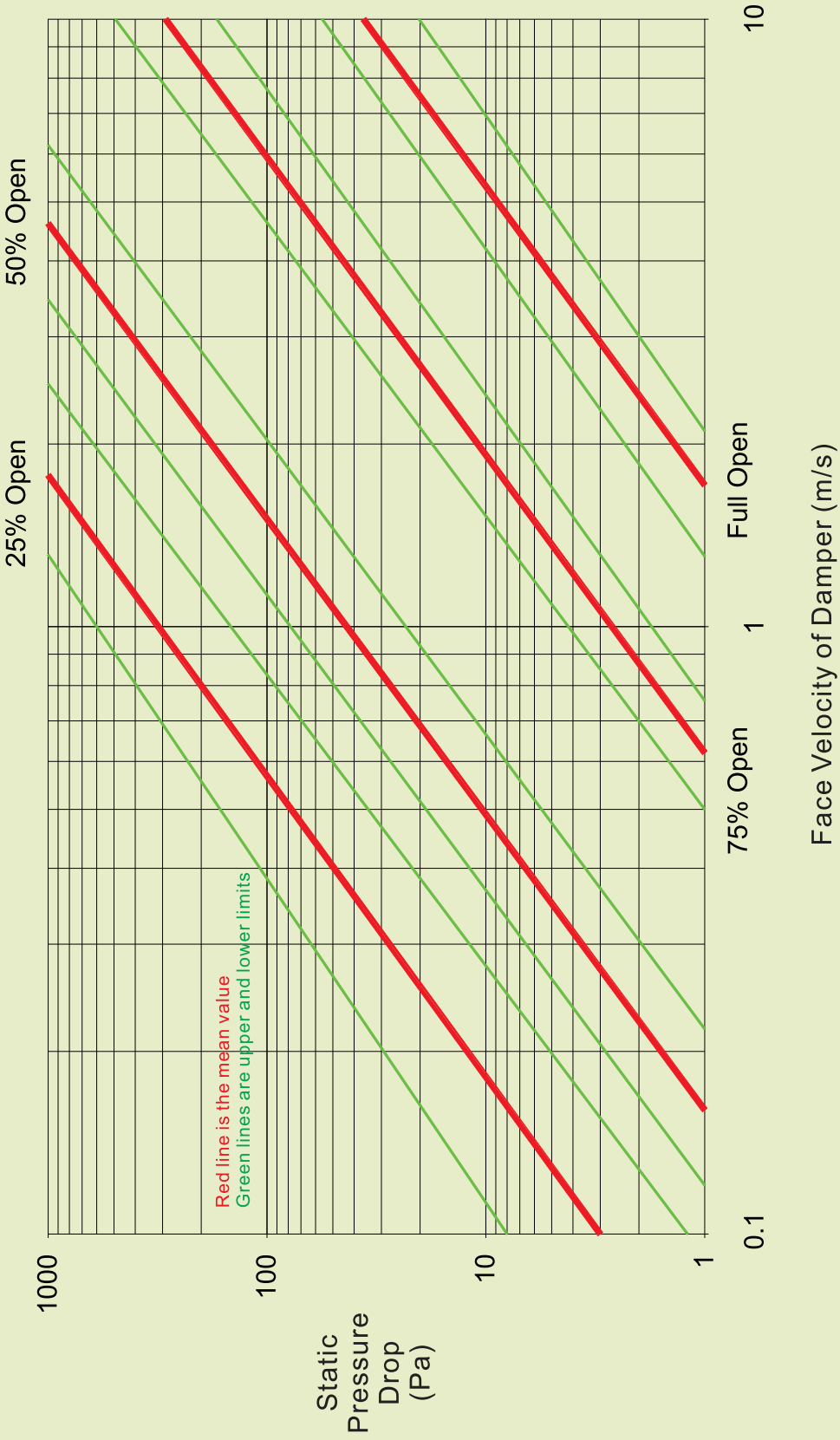
VOLUME CONTROL DAMPER

TECHNICAL PERFORMANCE CURVE

MODEL: VCD



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Standard Data for Flanges
(ISO 15138)

Dimensions in millimetres

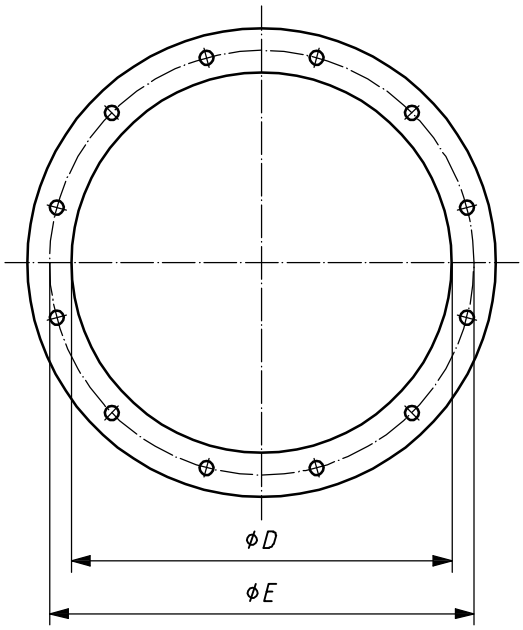

Figure E.1 — Circular flanges

Table E.1 — Standard data for circular flanges

Nominal duct size (Ø*D*) mm	**Bolt circle** (Ø*E*) mm	**Flange** (flat bar) mm	**Bolt hole size** mm	**Bolt size**	**No. of bolts**
100	145	40 × 4	10	M8	4
125	170				
160	205				
200	245				8
250	295				
315	360				
355	400				
400	459	50 × 5	12	M10	12
450	509				
500	559				
560	619				16
630	689				
710	769				
800	859				24
900	959				
1 000	1 059				
1 120	1 209	80 × 8	14	M12	32
1 250	1 339				
1 400	1 489				

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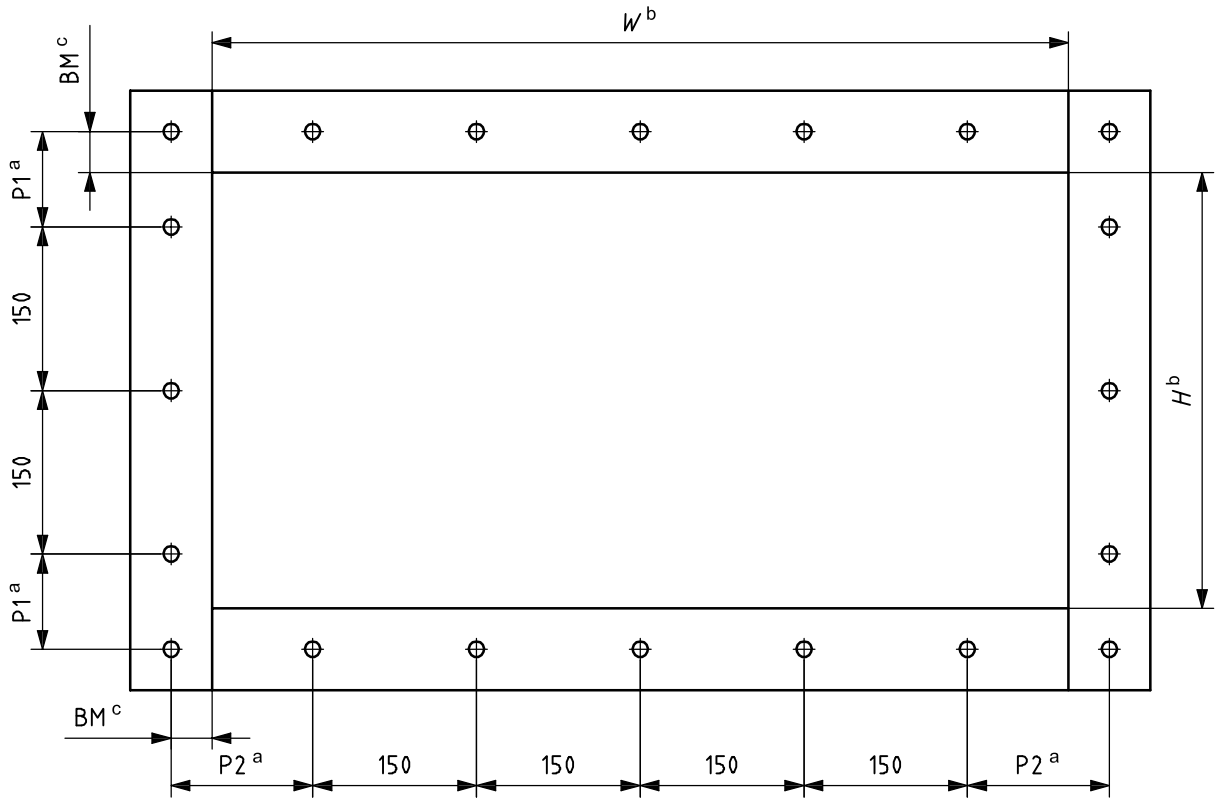
Standard Data for Flanges
(ISO 15138)

Dimensions in millimetres



a 75 < P1 ⩽150; 75 < P2 ⩽150.

b The nominal duct size (internal) is equal to W times H.

c "BM" is the back mark, the distance from the inside duct to centreline hole.

Figure E.2 — Rectangular flanges

Table E.2 — Standard data for rectangular flanges [a, b]

Nominal duct longest side W mm	Back mark mm	Flat bar or angle iron mm	Bolt hole size mm	Bolt size
⩽ 350	20	40 × 4 40 × 40 × 4	10	M8
> 350, ⩽ 1 000	30	50 × 5 50 × 50 × 5	12	M10
> 1 000	40	80 × 8 80 × 80 × 8	14	M12

a Flanges shall be continuously welded on both sides.

b Flanges shall be made from the same material as the duct.

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