

VOLUME CONTROL DAMPER / Motorised Damper without Actuator

Model : WB - DVCD

: WB - WB-MTD-0

INTRO

To control and balance the amount of air required.

Designed for low pressure (2000 - 3000fpm) commercial HVAC systems .

CONSTRUCTION

Galvanised sheet steel casing and triple V groove blades .

Dampers having 2 or more blades shall be coupled by external linkages away from the airstream. Damper width is standard 150mm*unless otherwise requested .

MOUNTING TYPES

- 25mm flange joint *
- Slip joint (for sizes <350x350)
- TDF joint
- Face mounted joint

OPTIONS

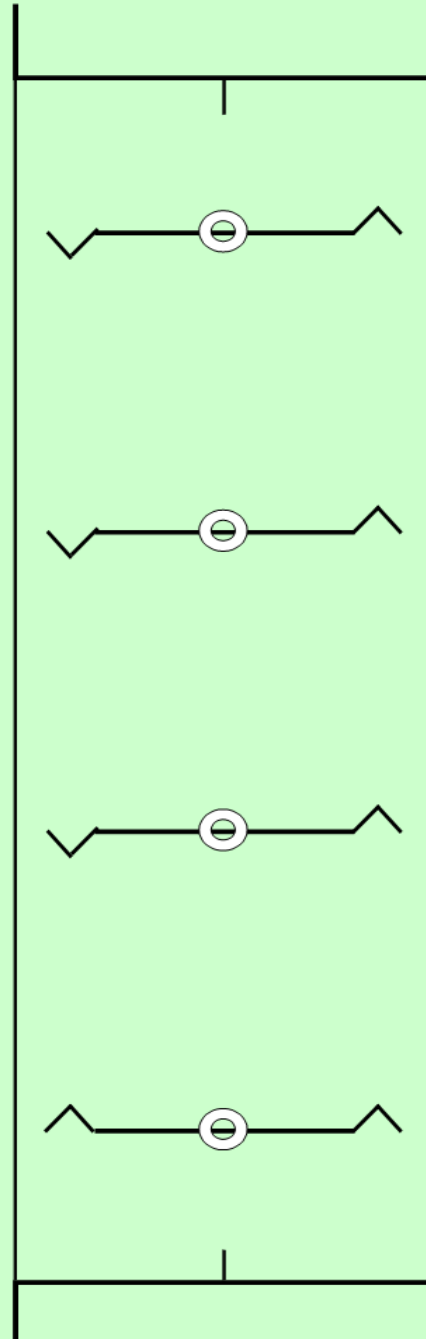
- Stainless steel or aluminium construction .
- Manual hand quadrant control *
- Manual hand precision damper guide
- Equipped with damper actuator .

ORDER NOTES

To indicate

- 1 Type of flange
- 2 Size of flange
- 3 Duct size

* standard



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Technical Data

Pressure drop in Pa across vertically mounted damper in full open position

Velocity (m/s)	3	4	5	6	7	8	9	10	11	12	13	14	15
VCD height													
150mm Ht k=1.03	6	10	17	23	32	43	57	64	76	89	94	103	109
200mm Ht k=0.95	5	9	16	21	30	40	53	59	70	82	87	95	100
250mm Ht k=0.9	8	8.5	15	20	28	38	50	56	66	78	82	90	95
300mm Ht k=0.85	5	8	14	19	26	36	47	53	62	74	77	85	90
350mm Ht k=0.8	4	8	13	18	25	34	44	50	59	69	73	80	84
400mm Ht k=0.76	4	7	13	17	24	32	42	47	56	66	69	76	90
450mm Ht k=0.73	4	7	12	16	23	31	41	45	54	63	67	73	77
500mm Ht k=0.7	4	7	12	16	22	30	39	44	51	61	64	70	74
600mm Ht k=0.65	4	6	11	14	20	27	36	40	48	56	59	65	69
700mm Ht k=0.65	3	6	10	13	19	25	33	37	44	52	55	60	63
800mm Ht k=0.55	3	5	9	12	17	23	31	34	40	48	50	55	58

