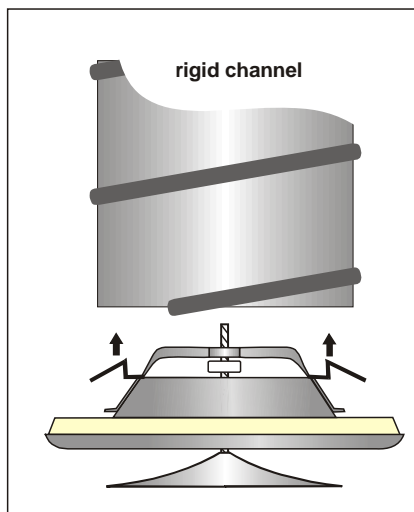


DVSC-P

TECHNICAL DATA

DVSC-P is a supply air valve suitable for houses, offices etc.

- Good adjusting features
- Low noise level
- Quick and easy to install
- Airflow easy to measure



CONSTRUCTION

The **DVSC-P** is manufactured from steel sheet, powder coated. Standard color white (RAL 9010). Other color finishes are available to special order quantity. The valve body has a gasket, made of cellular plastic and the control disc, with spring fasteners enables easy positional locking.

REGULATION AND MEASUREMENTS

Regulation of airflow is achieved by turning the control disc to change adjustment dimensions (mm). The measurement of airflow is made by a pressure difference measurement with a separate measuring tube.

Refer to airflow measurement diagrams for information.

ORDER EXAMPLE: Powder coated valve DVSC-P

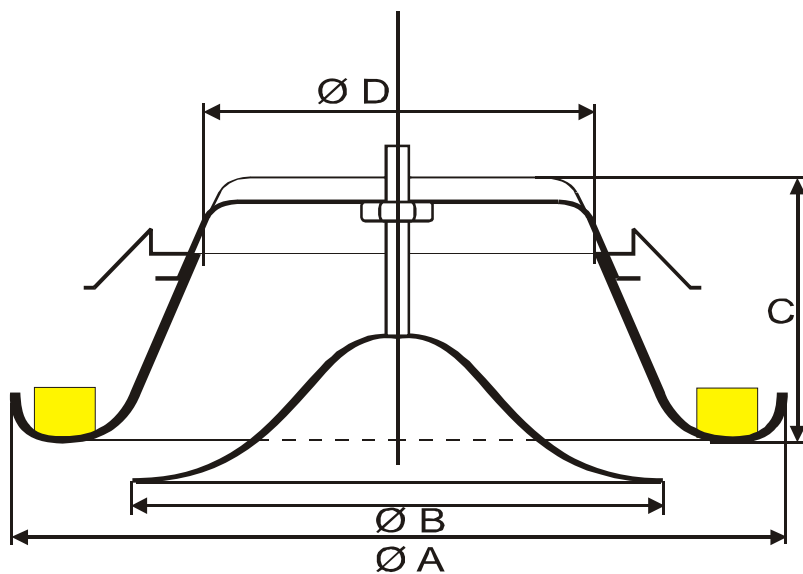
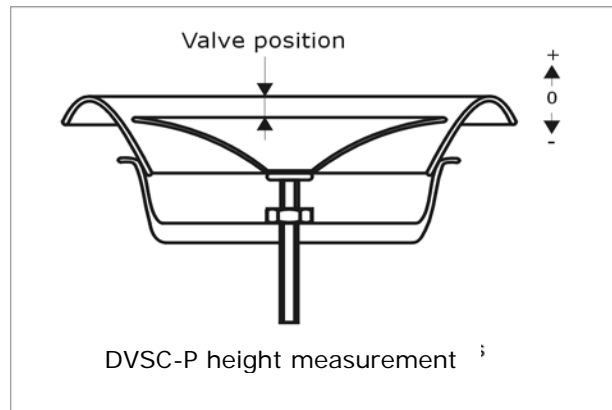
Product: DVSC-P
Size: 080
CODE: DVSCP080

DVSC-P 3.6b

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DVSC-P



3.6b

DVSC-P

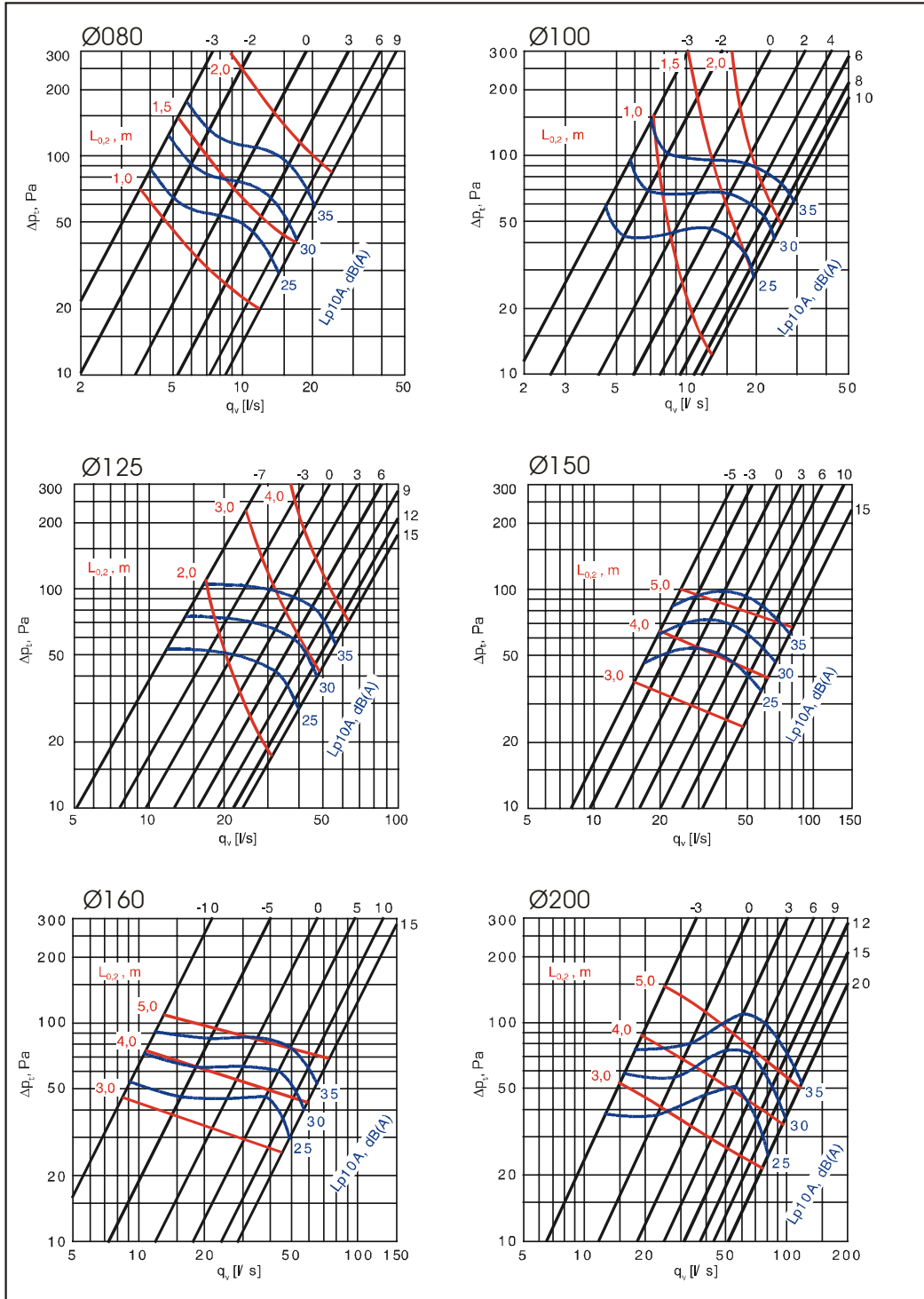
DIMENSIONS IN MILLIMETERS

DVSC-P	$\varnothing 80$	$\varnothing 100$	$\varnothing 125$	$\varnothing 150$	$\varnothing 160$	$\varnothing 200$
A	115	138	164	202	211	248
B	76	92	111	135	147	194
C	42	40	46	50	54	63
D	105	125	150	175	185	225

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SOUND POWER LEVEL L_w

DVSC-P	CORRECTION K_{oct} (dB)						
	Middle frequency by octave band (Hz)						
	125	250	500	1000	2000	4000	8000
080	2	2	1	0	-3	-9	-17
100	7	3	2	-2	-6	-14	-30
125	3	6	4	-3	-11	-21	-37
150	7	5	3	-2	-10	-20	-34
160	6	7	3	-3	-11	-27	-34
200	7	6	3	-2	-10	-25	-34
Tol.±	3	2	2	2	2	2	3

Sound power levels by octave bands are obtained by adding to total sound pressure level L_{p10A} , dB(A) the corrections K_{oct} presented in the table according to the following formula:

$$L_{Woct} = L_{p10A} + K_{oct}$$

Correction K_{oct} is average value in range of use of DVSC-P unit.

DEFINITIONS		
q_v	air volume	(m ³ /h)
Δp_t	total pressure drop	(Pa)
L_{p10A}	sound pressure level with 4 dB room attenuation (10 m ² sab)	[dB(A)]
L_{Woct}	sound power level by octave bands	(dB)
ΔL	sound attenuation	(dB)
K_{oct}	correction	(dB)

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DVSC-P

DVSC-P	Adjustment (mm)	SOUND ATTENUATION ΔL (dB)							
		Middle frequency by octave band (Hz)							
		63	125	250	500	1000	2000	4000	8000
080	-3	24	21	16	12	9	7	5	5
	3	24	19	13	10	7	4	4	4
	9	24	19	13	9	6	3	3	4
100	-3	24	19	13	10	9	9	11	9
	6	23	16	11	7	6	5	6	6
	10	23	17	11	7	5	5	5	6
125	-7	19	16	11	7	4	4	5	6
	0	18	16	10	6	4	3	4	6
	15	19	15	9	5	3	2	3	4
150	-5	20	13	10	7	5	4	5	5
	3	19	13	9	5	4	3	4	4
	15	19	12	8	4	3	2	4	3
160	-5	18	13	10	6	5	5	5	6
	5	17	12	9	5	4	3	4	4
	10	17	12	8	5	4	3	4	3
200	3	17	12	8	7	7	5	7	6
	6	17	12	7	6	6	5	7	5
	12	17	11	6	5	5	4	6	5
Tol. +/-	6	3	2	2	2	2	2	2	3

3.6b

DVSC-P

The average sound attenuation ΔL from duct to room including the end reflection of the connecting duct in ceiling installation, is obtained in the table above.

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