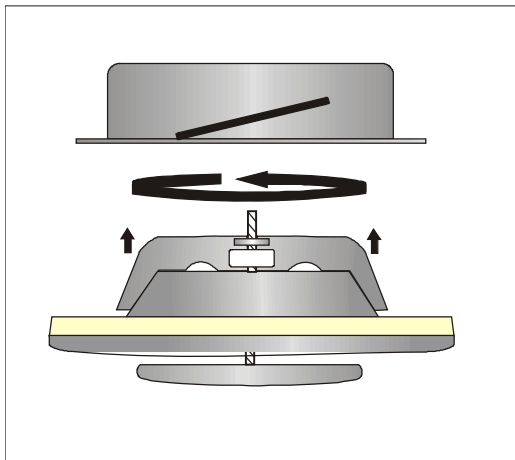


TECHNICAL DATA

DVSY is an exhaust valve suitable for houses, offices etc.

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



CONSTRUCTION

The **DVSY** is manufactured from stainless steel alloy **AISI 304 /2B**.

The valve body has a gasket, made of cellular plastic and the control disc, with screw spindle, enables easy regulation and positional locking.

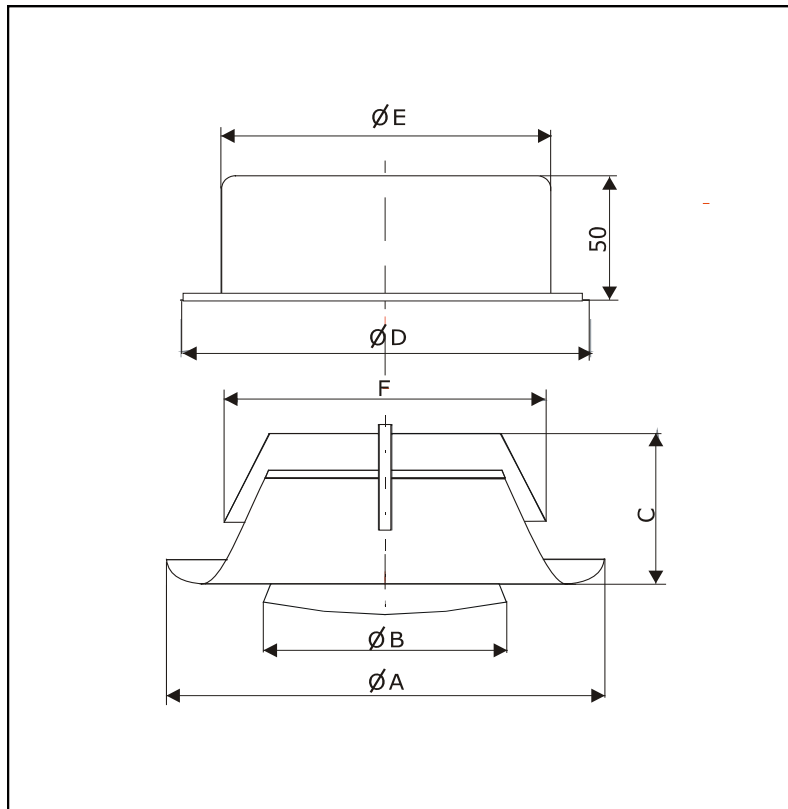
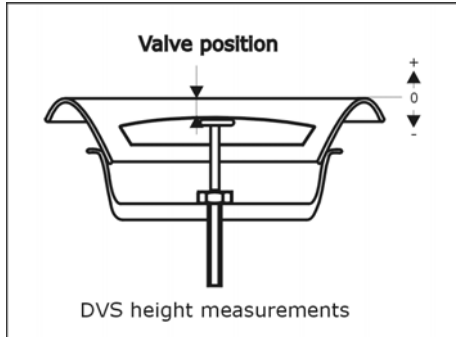
Fixing collar **DVS-FY** is manufactured from Stainless steel alloy **AISI 304 /2B**

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: **Stainless steel valve including fixing collar DVS-FY**
Product: DVSY
Size: 100
CODE: **DVS100Y**

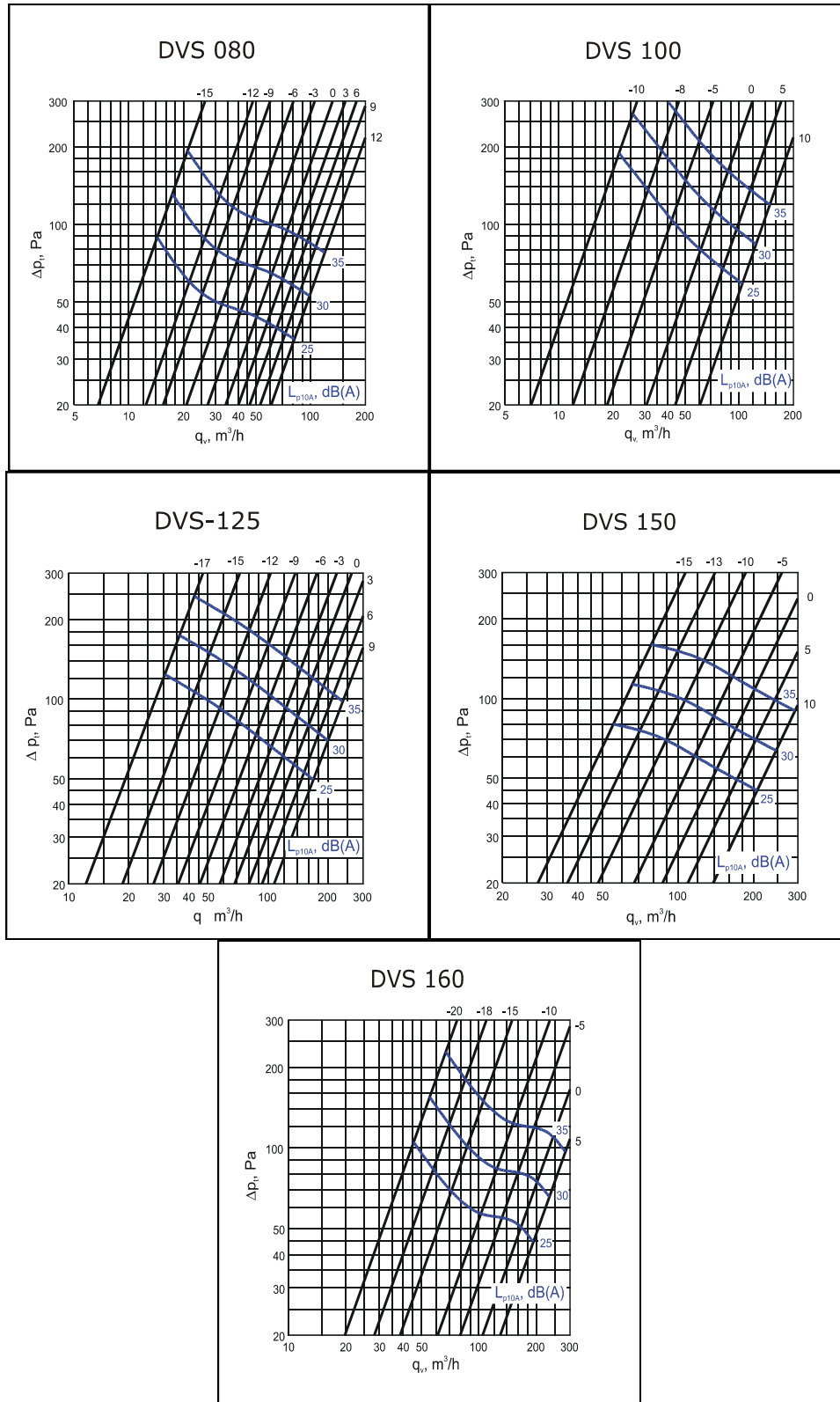


DIMENSIONS IN MILLIMETRES

DVS	Ø 080	Ø 100	Ø 125	Ø150	Ø 160
A	115	138	164	202	211
B	61.5	75	99	119	129
C	42	40	46	50	54
D	105	125	150	175	185
E	79	99	124	149	159
F	77.5	97.5	122.5	147.5	157.5

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SOUND POWER LEVEL L_w

DVSY	CORRECTION K_{oct} (dB)						
	Middle frequency by octave band (Hz)						
	125	250	500	1000	2000	4000	8000
080	1	-2	1	0	-3	-10	-22
100	5	-2	-3	-3	0	-8	-20
125	-6	0	0	-3	0	-13	-25
150	-6	-5	-4	0	-1	-13	-28
160	1	-1	-3	1	-2	-15	-32
Toler. +/-	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 DVSY 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)

DVSY	Adjust-ment (mm)	SOUND ATTENUATION ΔL							
		Middle frequency by octave band (Hz)							
		63	125	250	500	1000	2000	4000	8000
080	-9	24	20	14	10	8	5	5	6
	0	24	19	13	9	6	3	4	5
	12	24	19	13	9	5	2	3	4
100	-10	23	19	14	12	11	10	13	14
	0	23	16	11	8	7	6	9	8
	10	23	16	11	7	5	4	7	8
125	-17	20	19	13	10	7	7	11	14
	0	18	16	10	6	4	4	5	8
	9	19	16	9	6	3	3	5	7
150	-15	21	14	11	8	6	6	8	8
	0	20	13	9	6	4	4	7	6
	10	16	14	9	4	3	2	7	7
160	-15	18	13	11	7	6	6	8	8
	-10	18	13	10	6	5	5	7	7
	0	17	13	9	5	4	3	6	6
Tol.	6	3	2	2	2	2	2	2	3

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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