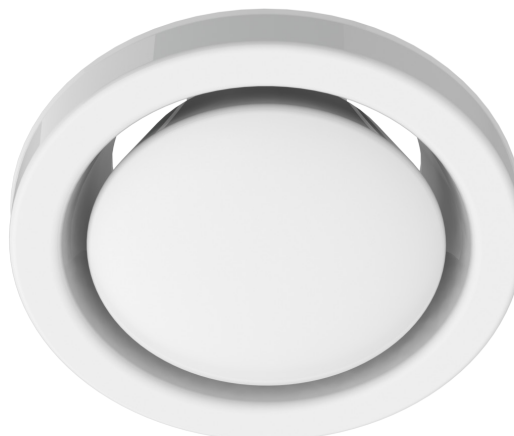


DSE Exhaust valve

Exhaust valve for wall and ceiling installation.
Available in sizes Ø 100-200 mm.

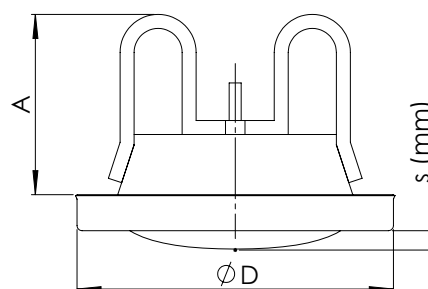


Structure and dimensions

Manufactured of galvanized steel and coated white (RAL 9003). The valve has a foam seal and a threaded spindle for easy regulation and locking of the desired air flow.

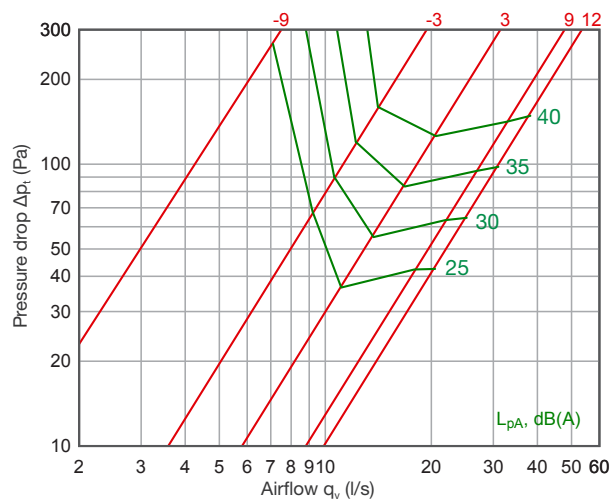
Comes with a sector plate for choosing the desired diffusion pattern.

Size	ØD	A	Weight, kg
100	130	68	0,3
125	158	84	0,4
160	188	87	0,5
200	237	105	0,6

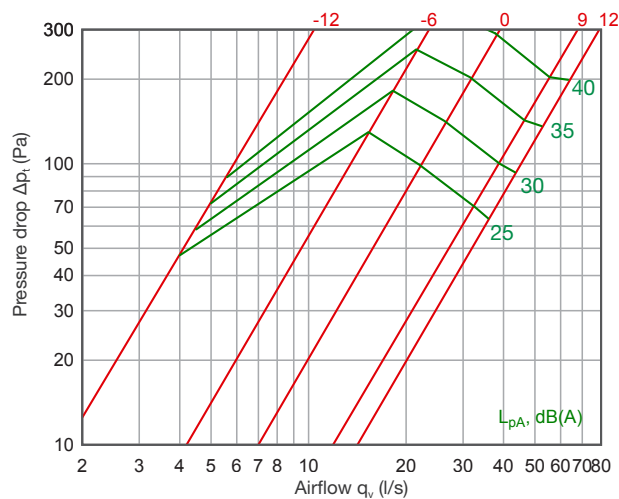


Technical data

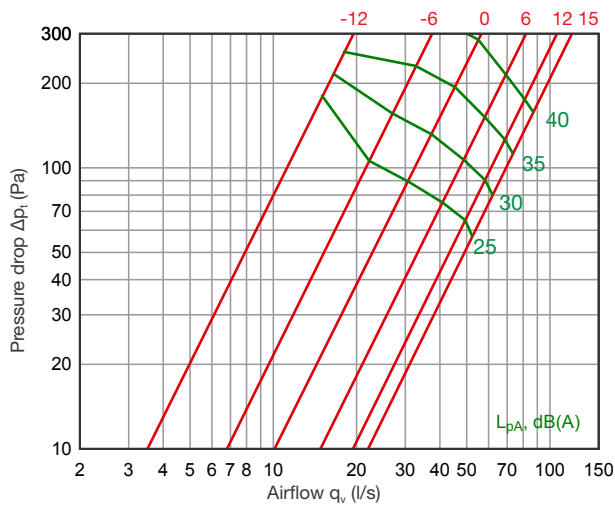
DSE 100



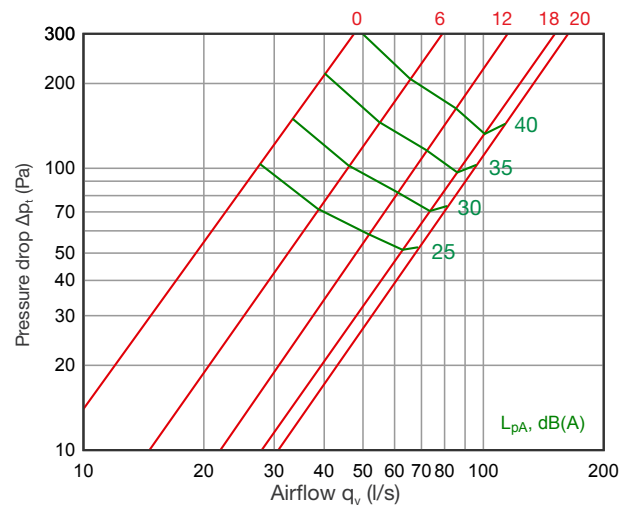
DSE 125



DSE 160



DSE 200



Acoustic data

DSE 100

Adjust- ment	Correction of sound level in dB at octave bands, middle frequency, (Hz)							
	63	125	250	500	1000	2000	4000	8000
s=-9	2	-5	-4	-8	-8	-4	-9	-10
s=-3	-2	-3	-2	-5	-6	-5	-11	-13
s=+3	-6	-2	0	-3	-6	-7	-14	-15
s=+9	-7	-4	0	-2	-6	-9	-15	-16
s=+12	-8	-5	1	-1	-6	-11	-17	-17

DSE 125

Adjust- ment	Correction of sound level in dB at octave bands, middle frequency, (Hz)							
	63	125	250	500	1000	2000	4000	8000
s=-6	1	0	-3	-6	-9	-4	-15	-17
s=0	0	0	-4	-6	-9	-4	-15	-17
s=+9	0	1	-1	-3	-9	-5	-14	-18
s=+12	1	2	-1	-3	-10	-5	-15	-18

DSE 160

Adjust- ment	Correction of sound level in dB at octave bands, middle frequency, (Hz)							
	63	125	250	500	1000	2000	4000	8000
s=-12	2	-6	-7	-9	-6	-4	-12	-21
s=-6	5	-2	-5	-8	-3	-8	-15	-17
s=0	6	-1	-5	-7	-3	-8	-14	-17
s=+6	3	-3	-4	-5	-3	-8	-14	-17
s=+9	3	-1	-1	-3	-4	-9	-15	-18
s=+12	2	0	1	-3	-5	-9	-16	-19

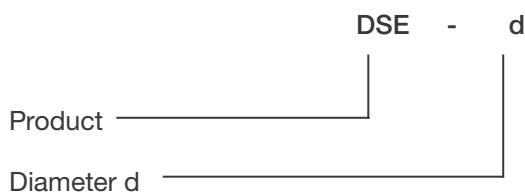
DSE 200

Adjust- ment	Correction of sound level K_{okt} in dB at octave bands, middle frequency, (Hz)							
	63	125	250	500	1000	2000	4000	8000
s=0	3	0	-4	-5	-3	-10	-15	-18
s=+6	1	-3	-7	-8	-2	-9	-13	-19
s=+12	3	-3	-6	-8	-2	-9	-13	-19
s=+18	3	-4	-5	-7	-2	-10	-15	-20
s=+20	2	-4	-5	-7	-2	-9	-14	-19

Sound attenuation, ΔL (dB)

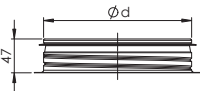
		Sound attenuation in dB at octave bands, middle frequency, (Hz)							
Product	Adjustment	63	125	250	500	1000	2000	4000	8000
DSE 100	s=-9	27	21	19	18	20	17	10	9
	s=+3	24	16	13	12	12	15	5	7
	s=+12	24	16	12	10	8	14	4	6
DSE 125	s=-6	18	18	14	13	15	14	10	9
	s=0	18	17	12	11	12	13	8	8
	s=+12	20	16	10	8	9	9	5	6
DSE 160	s=-12	19	19	14	14	15	13	10	11
	s=+6	18	14	10	9	9	10	6	6
	s=+15	18	13	9	7	8	9	5	6
DSE 250	s=0	16	17	12	12	13	10	8	9
	s=+12	15	14	9	9	10	8	6	7
	s=+20	15	12	8	8	9	8	5	7

Product codes



Example: DSE 200

Accessories

RLT Socket				
	Product	Ød	ØD	Weight
	RLT 100	98	125	0,12
	RLT 125	124	150	0,15
	RLT 160	159	185	0,18

RLL Socket				
	Product	Ød	ØD	Weight
	RLL 100	99	125	0,11
	RLL 125	124	150	0,14
	RLL 160	159	185	0,16

Installation

Saddle RLT or RLL is attached to duct or part with rivets. The valve is threaded into the frame until fixing springs lie stably on the threads.

Measurement and regulation of air flow

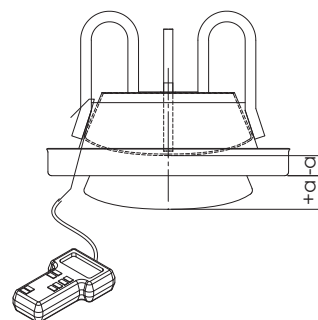
Measurement of air flow through pressure differential measured with a separate measuring device. Regulation by adjusting control a.

DSE 100								
a, mm	-9	-6	-3	0	3	6	9	12
k-value	0,79	1,08	1,36	1,65	1,94	2,25	2,55	2,81

DSE 125									
a, mm	-12	-9	-6	-3	0	3	6	9	12
k-value	0,6	0,95	1,3	1,65	2	2,4	2,8	3,2	3,6

DSE 160										
a, mm	-12	-9	-6	-3	0	3	6	9	12	15
k-value	1,1	1,55	2	2,45	2,9	3,5	4,1	4,65	5,2	5,7

DSE 200										
a, mm	-6	-3	0	3	6	9	12	15	18	20
k-value	0,48	1,07	1,66	2,41	3,16	3,94	4,72	5,48	6,24	6,79



$$q_v = k \sqrt{\Delta p_m}$$

Maintenance

Remove the inner cone by turning counter-clockwise. Clean surfaces with damp cloth. Replace inner cone in its original position.