

**DSE Exhaust valve**

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

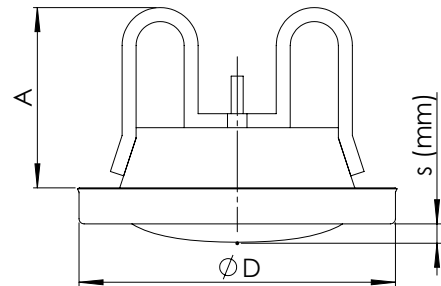


**Structure and dimensions**

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 airflow.

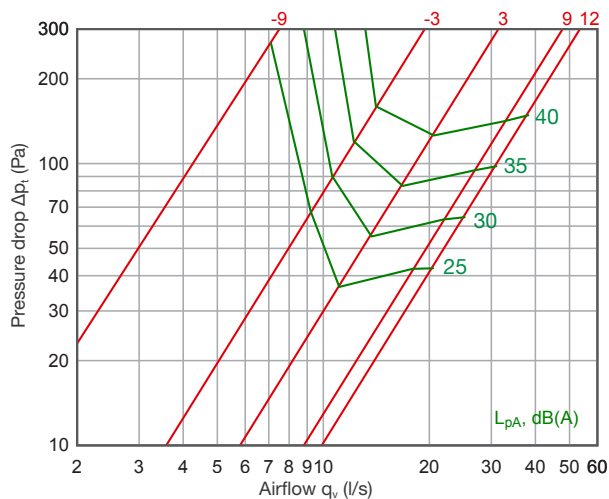
Comes with a sector plate for choosing the desired diffusion pattern.

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

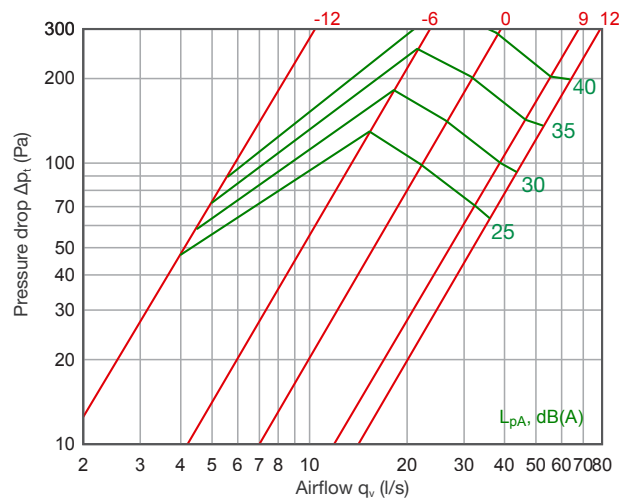


**Technical data**

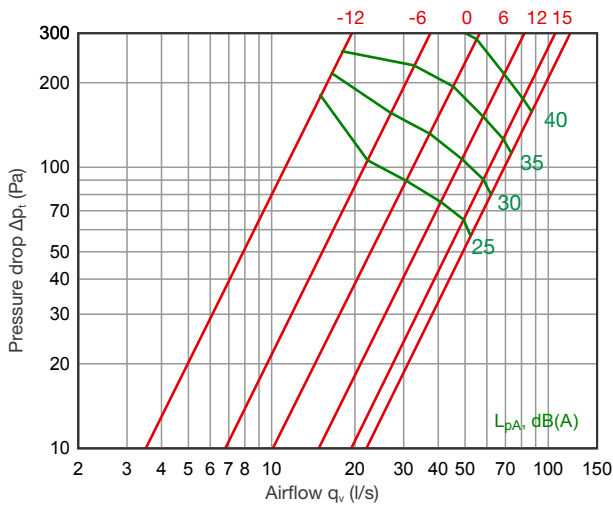
**DSE 100**



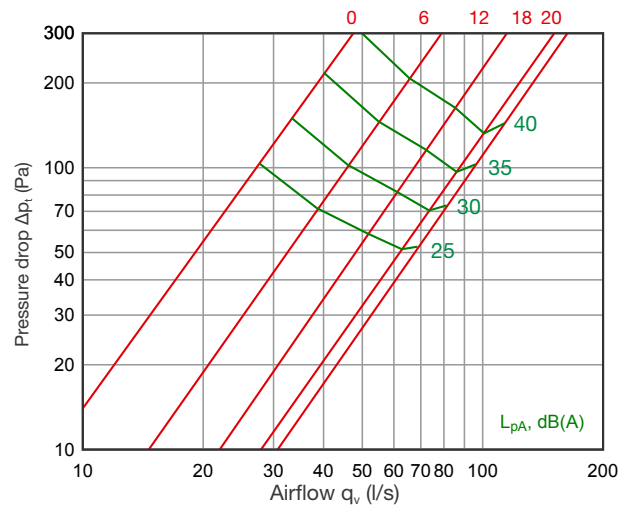
**DSE 125**



DSE 160



DSE 200



Acoustic data

DSE 100

Adjustment	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

Adjustment	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

Adjustment	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

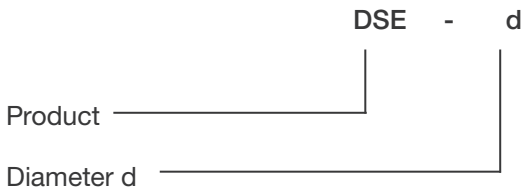
DSE 200

Adjustment	Correction of sound level Kpkt 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,  $\Delta L$  (dB)

Product	Adjustment	Sound attenuation in dB at octave bands, middle frequency (Hz)							
		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
DSE 160	s=+12	20	16	10	8	9	9	5	6
	s=-12	19	19	14	14	15	13	10	11
	s=+6	18	14	10	9	9	10	6	6
DSE 250	s=+15	18	13	9	7	8	9	5	6
	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 airflow**

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

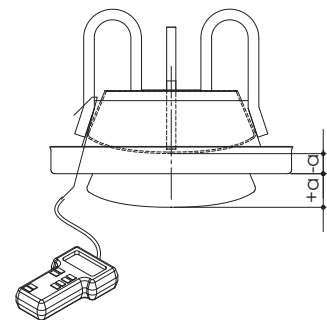
Valid until 06.2024

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



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

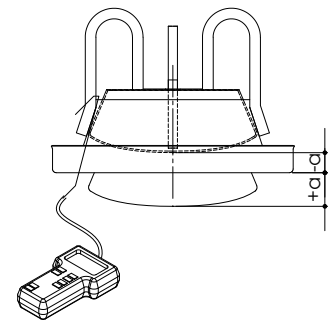
Valid from 06.2024

DSE 100								
a, mm	-9	-6	-3	0	3	6	9	12
k-value	0,55	0,86	1,18	1,47	1,75	2,08	2,42	2,68

DSE 125								
a, mm	-9	-6	-3	0	3	6	9	12
k-value	1,10	1,41	1,81	2,13	2,58	2,96	3,36	3,74

DSE 160										
a, mm	-12	-9	-6	-3	0	3	6	9	12	15
k-value	1,12	1,56	2,02	2,57	3,05	3,58	4,03	4,59	5,07	5,69

DSE 200										
a, mm	-6	-3	0	3	6	9	12	15	18	20
k-value	0,93	1,67	2,40	3,15	3,90	4,64	5,37	6,13	6,96	7,29



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

**NB!** Before measuring the valve, check the k-values on the DSE valve at the site.

### Maintenance

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