Valve

KVB

Description

Valve for exhaust air.
Designed for wall or ceiling mounting.
Spring holders connect to socket VRFU, VRFM or VRR.

Materials and finish

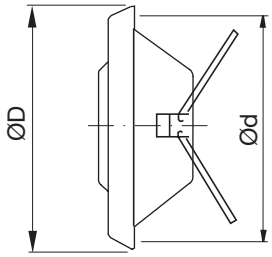
Material
Coated galvanized sheet metal.

Colour
White RAL 9003, gloss 30 or white RAL 9010 gloss 30.

Ordering example

	KVB	125	9003
Product			
Dimension $Ød_1$			
Colour			

Dimensions



Ød nom	ØD [mm]	m [kg]
100	125	0,27
125	150	0,36
160	190	0,54

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Technical data

Air flow, q [l/s] and [m³/h],
total pressure drop, Δp_t [Pa], and
A-weighted sound power level, L_{WA} [dB], for different settings, a [mm],
are shown in the graphs.

Sound power level, L_{Wok} [dB], in octave bands

is calculated as $L_{WA} + K_{ok}$.
K_{ok} is found in the table below.

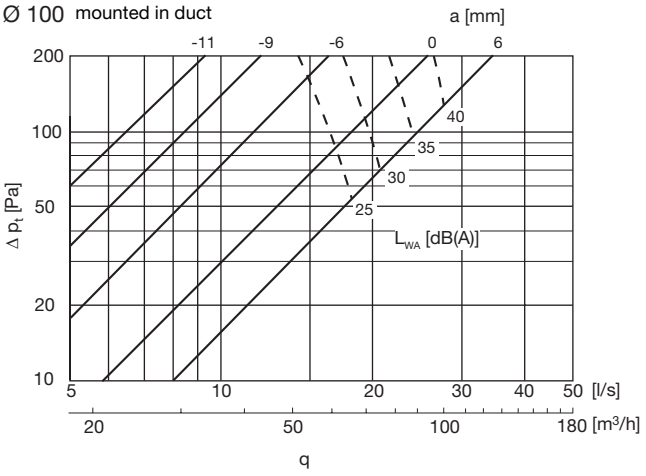
Ød nom	Valve mounted in	Centre frequency [Hz] 63	125	250	500	1K	2K	4K	8K
100	Duct	6	2	1	-3	-6	-8	-11	-16
	Bend 90°	6	2	1	-3	-6	-8	-11	-16
	T-piece	6	2	1	-3	-6	-8	-11	-16
125	Duct	13	-2	-1	-5	-5	-8	-12	-16
	Bend 90°	13	-2	-1	-5	-5	-8	-12	-16
	T-piece	13	-2	-1	-5	-5	-8	-12	-16
160	Duct	14	0	-1	-4	-3	-8	-16	-18
	T-piece	14	0	-1	-4	-3	-8	-16	-18

Sound attenuation, ΔL, [dB]

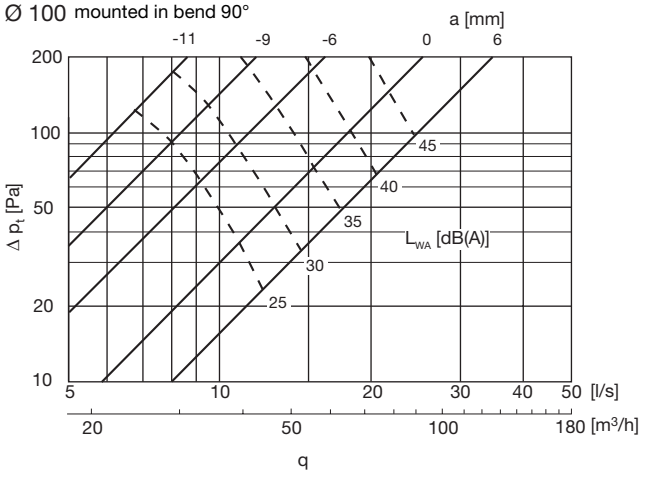
Ød nom	Valve mounted in	Centre frequency [Hz] 63	125	250	500	1K	2K	4K	8K
100	Duct	25	22	21	20	14	18	9	10
	Bend 90°	30	27	23	17	16	19	12	13
	T-piece	25	22	21	20	14	18	9	10
125	Duct	24	20	17	15	11	12	7	7
	Bend 90°	29	25	19	12	13	13	10	10
	T-piece	24	20	17	15	11	12	7	7
160	Duct	22	18	16	12	14	10	9	8
	T-piece	22	18	16	12	14	10	9	8

Measurement of air flow
Data is available in a separate brochure.

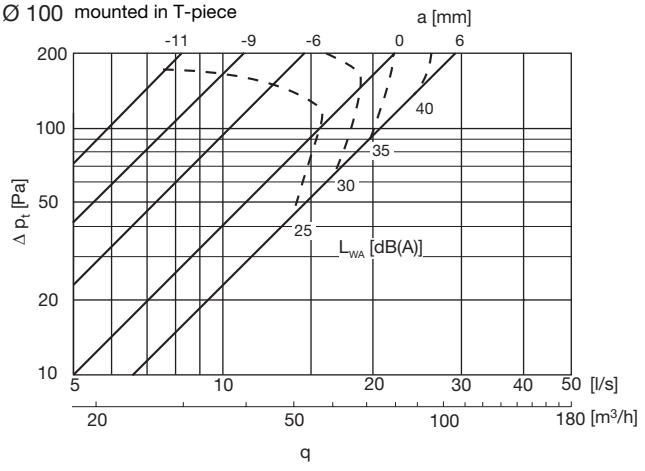
Ø 100 mounted in duct



Ø 100 mounted in bend 90°



Ø 100 mounted in T-piece



Valve

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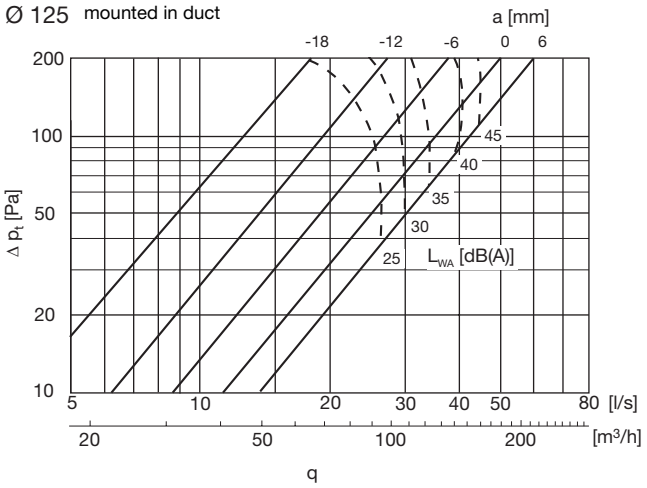
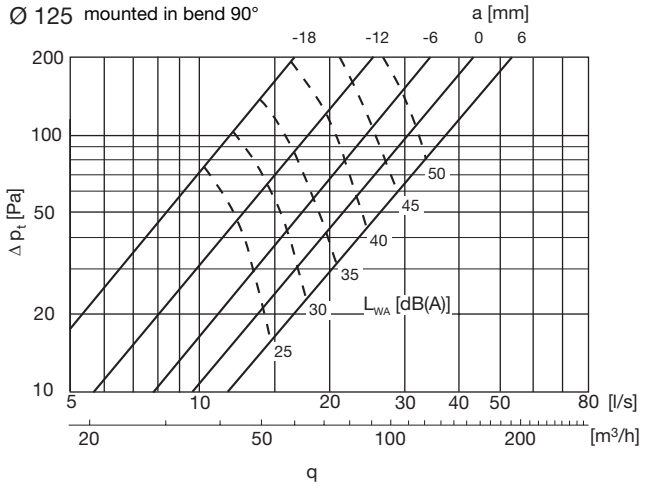
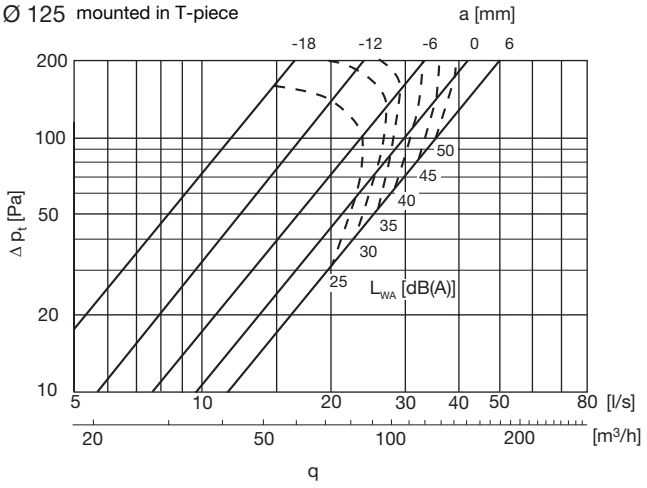
Ø 125 mounted in duct



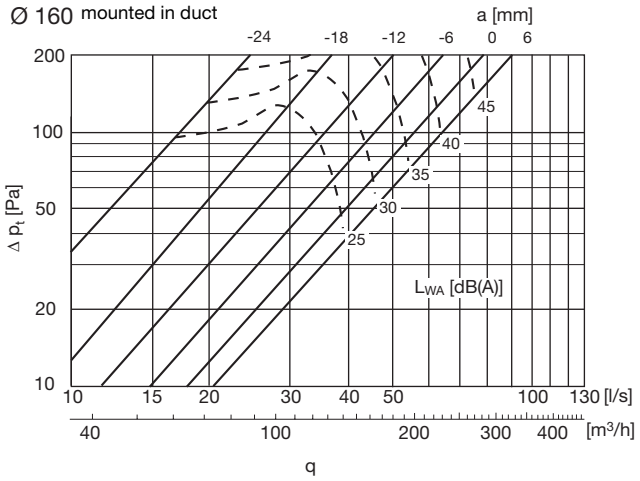
Ø 125 mounted in bend 90°



Ø 125 mounted in T-piece



Ø 160 mounted in duct



Ø 160 mounted in T-piece