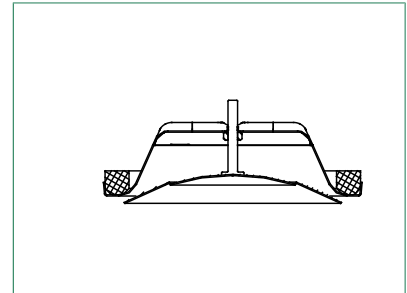


NE Supply air valve



NE is a supply air valve suitable for offices, houses, etc.

Quick Selection

Valve Size	Air flow range l/s at sound level		
	25 dB	30 dB	35 dB
NE-80-C	12	14	17
NE-100-C	19	23	27
NE-125-C	38	45	52
NE-150-C	47	57	65
NE-160-C	47	55	63
NE-200-C	70	85	100

Specifications

- CleanVent coating as standard
- Supply air valve intended for installation in the ceiling.
- Manufactured from steel sheet.
- Six sizes.

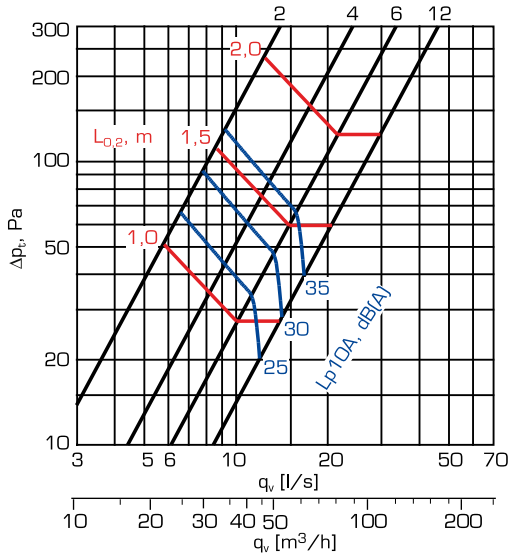
Product code example

Supply air valve NE-100-C

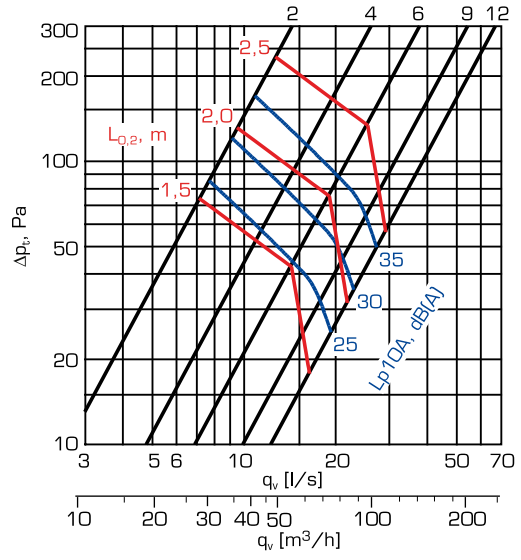
Mounting ring KKT-100

Selection diagrams

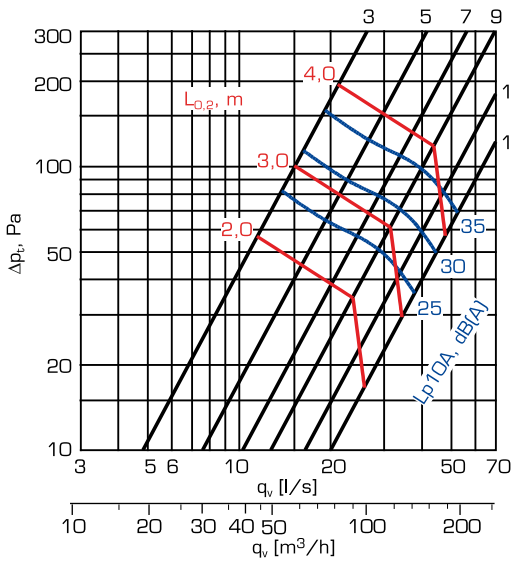
NE-80-C



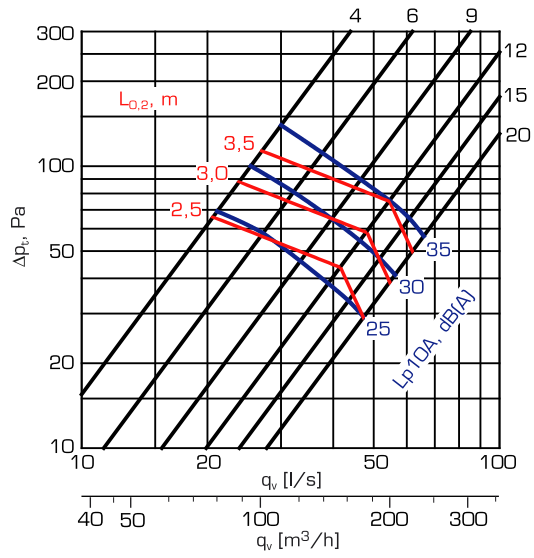
NE-100-C



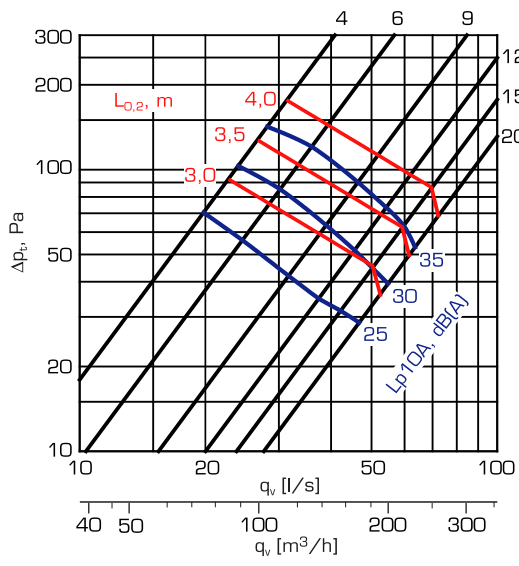
NE-125-C



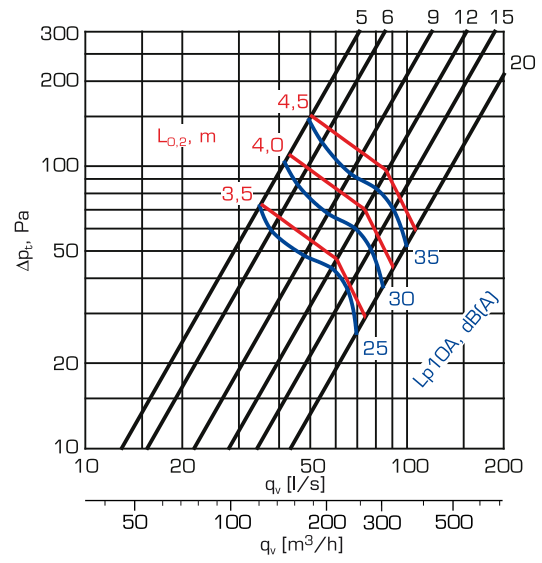
NE-150-C



NE-160-C



NE-200-C



Sound power level L_w

NE	Correction of sound level in dB at octave bands, middle frequency, (Hz)						
	125	250	500	1000	2000	4000	8000
80	7	6	3	-2	-11	-23	-35
100	6	6	3	-2	-10	-21	-33
125	6	6	2	-3	-10	-21	-33
150	9	9	2	-5	-12	-22	-33
160	10	9	1	-5	-10	-22	-32
200	9	9	2	-4	-12	-20	-32
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 NE unit.

Sound attenuation ΔL

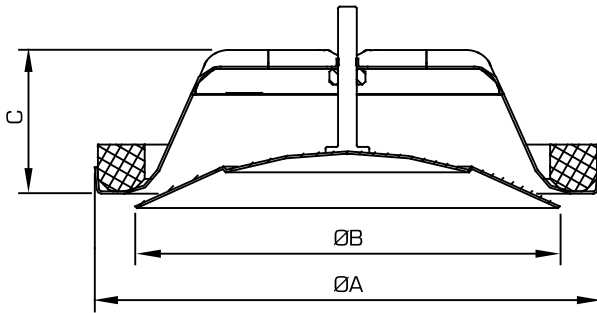
NE	Slot s (mm)	Sound attenuation in dB at octave bands, middle frequency, Hz							
		63	125	250	500	1000	2000	4000	8000
80	2	26	20	15	14	11	8	10	9
	6	24	19	13	11	8	5	8	6
	12	24	19	13	10	6	4	5	6
100	2	22	19	14	12	11	12	10	12
	6	22	17	11	9	8	9	6	9
	12	22	17	11	8	6	7	4	7
125	3	20	17	12	11	9	9	8	8
	7	19	15	10	8	7	7	5	5
	12	19	15	9	7	5	5	4	4
150	4	19	14	10	9	9	9	7	8
	12	18	13	8	7	6	5	5	5
	20	18	13	8	5	5	4	5	5
160	4	18	14	10	10	10	10	8	8
	9	18	13	9	8	7	7	6	6
	20	18	13	8	7	6	5	5	5
200	5	17	13	10	9	11	10	9	9
	9	16	12	8	8	9	9	8	7
	20	15	11	7	6	7	6	7	6
Tol. ±		6	3	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.

Definitions

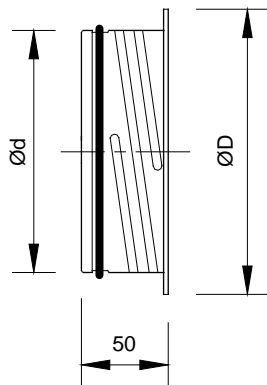
q_v	air volume	l/s, m ³ /h
Δp_t	total pressure drop	Pa
L_{p10A}	sound pressure level with 4 dB room attenuation 10 m ² sab	dB(A)
L_{Woct}	sound power level by octave bands	dB
ΔL	sound attenuation	dB
K_{oct}	correction	dB

Dimensions and weight

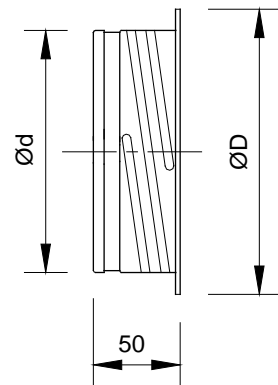


Size	ØA [mm]	ØB [mm]	C [mm]	Weight [kg]
80	112	93	37	0.140
100	132	110	40	0.190
125	160	135	46	0.260
150	193	158	54	0.370
160	193	158	54	0.370
200	245	205	64	0.550

KKT



KKL



Size	Pack size	Ød [mm]	ØD [mm]	Weight KKT [g]	Weight KKL [g]
80	60	79	101	66	63
100	56	99	122	75	71
125	36	124	148	102	97
150	24	149	175	123	116
160	25	159	184	131	125
200	12	199	225	165	156

General

Construction

The NE supply air valve is manufactured from steel sheet painted white (RAL 9010). Other paint finishes are available to special order. CleanVent coating as standard. Valve body has a gasket made of cellular plastic and the control disc with screw spindle enables easy regulation and positional locking.

Mounting rings KKT and KKL are manufactured from galvanized steel sheet. KKT is equipped with rubber sealing gasket.

Installation

Mounting ring KKT or KKL is fitted into the duct with screws or rivets. The valve is fixed by "a screwing action" to locate the valve lugs into indents in the mounting ring.

Measurement and regulation of air flow

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

Refer to separate air flow measurement diagrams for information.

Descriptive text

NE Supply air valve, manufactured by FläktGroup.

Product code

Supply air valve
Supply air valve with springs

Size (aaa)
080, 100, 125, 150, 160, 200
Surface finish (b)
C = Standard CleanVent coating
E = Special colour

NE-aaa-b
NEJ-aaa-b

Accessories

Mounting ring with rubber gasket
Mounting ring without rubber
gasket

KKT-aaa
KKL-aaa

Size (aaa)
080, 100, 125, 150, 160, 200