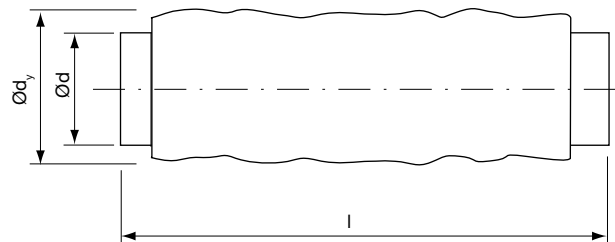


Semi-rigid silencer

FLEXICOMP



Dimensions



Description

An inner wall made of flexible, folded, and perforated duct. The inner wall is covered with a glass wool material.

The insulation is covered with a PE-plastic outer casing. The insulation reduces the sound passing through the silencer. The silencer should be extended to its full length for best sound attenuation.

Nominal insulation thickness is 25 or 50 mm.

Advantages

- Small storage and transportation volume.
- The ends are provided with sleeves for easy assembly and tighter connection.
- Saves installation and materials.

Technical data

Specifications	
Inner duct	Flexible and perforated duct
Insulation material	Mineral wool
Nominal Insulation thickness	25 mm 50 mm
Outer casing	PE plastic
Bending radius	2-3 × diameter
Temperature range	-40°C to +80°C
Fire class	The mineral wool is VIM tested and classified as a non-combustible material by the state testing institute.
Available connections	F/F (Female/Female) F/M (Female/Male) M/M (Male/Male)

Order code

Product	FLEXICOMP
Dimension Ød	100
Nominal length l	1200
Nominal insulation thickness	25
25 mm, 50 mm	
Connections	F/F
F/F, F/M, M/M	

Order example: FLEXICOMP-100-1200-25-F/F

Semi-rigid silencer

FLEXICOMP

Sound data 25 mm

Measured insertion loss (fully extended and straight).

FLEXICOMP 25 600

Nominal insulation thickness 25 mm

Nominal length 600 mm

Ød mm	l _{nom} mm	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
80	600	3	17	24	21	38	21	21	15
100	600	2	17	25	19	36	20	20	14
125	600	2	19	27	19	34	17	17	12
160	600	4	18	28	15	28	14	14	10
200	600	6	19	20	14	18	8	8	7
250	600	8	20	21	16	16	9	9	7
315	600	10	21	19	15	16	8	6	6

FLEXICOMP 25 1200

Nominal insulation thickness 25 mm

Nominal length 1200 mm

Ød mm	l _{nom} mm	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
80	1200	3	22	28	31	35	44	25	15
100	1200	3	24	32	30	35	43	23	14
125	1200	4	26	34	28	34	42	21	14
160	1200	8	29	30	24	31	33	15	13
200	1200	13	32	27	21	32	25	11	11
250	1200	15	32	25	19	30	22	9	10
315	1200	16	34	23	17	28	20	8	9

Sound data 50 mm

Measured insertion loss (fully extended and straight).

FLEXICOMP 50 600

Nominal insulation thickness 50 mm

Nominal length 600 mm

Ød mm	l _{nom} mm	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
100	600	2	17	25	19	36	20	20	14
125	600	2	19	27	19	34	17	17	12
160	600	4	18	28	15	28	14	14	10
200	600	6	19	20	14	18	8	8	7

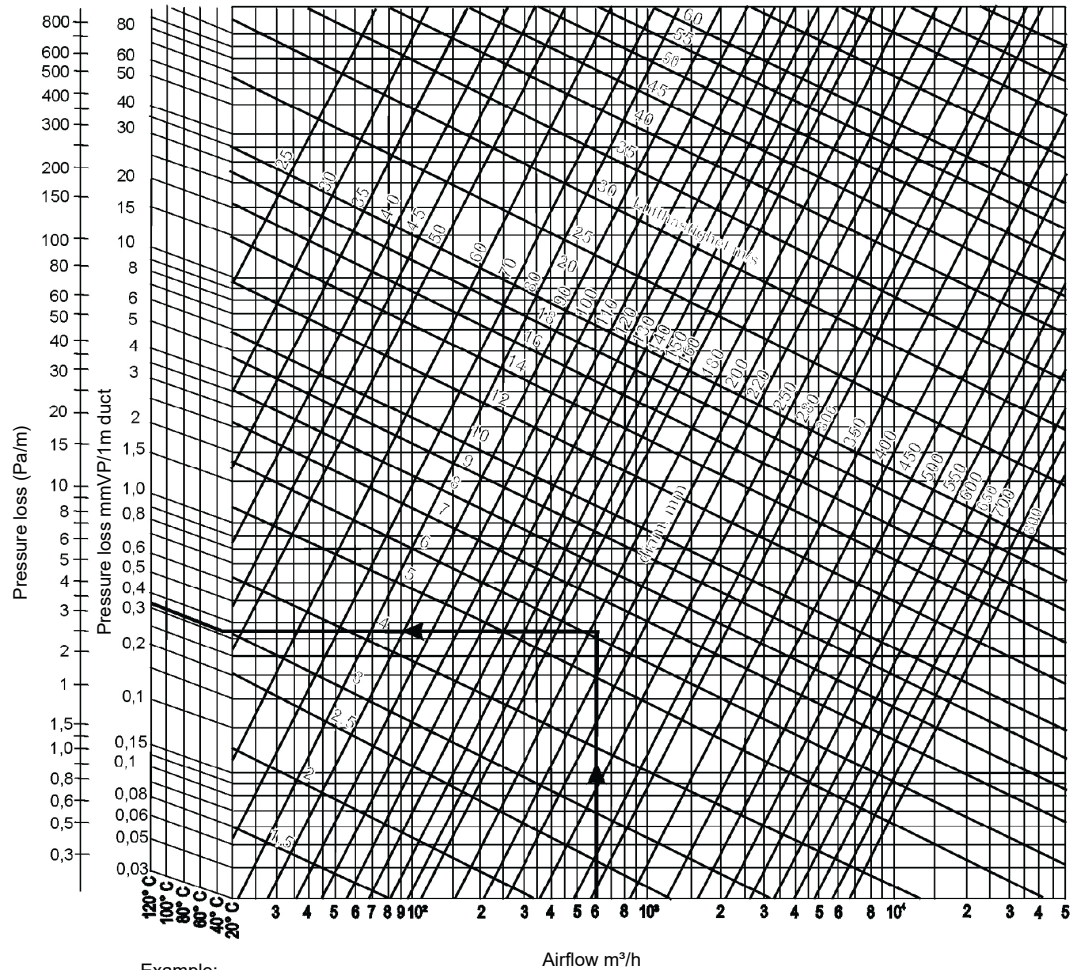
FLEXICOMP 50 1200

Nominal insulation thickness 50 mm

Nominal length 1200 mm

Ød mm	l _{nom} mm	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
100	1200	3	24	32	30	35	43	23	14
125	1200	4	26	34	28	34	42	21	14
160	1200	8	29	30	24	31	33	15	13
200	1200	13	32	27	21	32	25	11	11

Pressure loss



Example: Airflow m³/h
 Airflow: L = 600 m³/h
 Air velocity: L = 6 m/s
 Pressure drop: T = 0,32 mmWG at 40°C, T = 3,2 Pa/m at 40°C