

R O f l e k s

- silencers
- flexible hoses

1. R O f l e k s - silencer



Silencer is made of aluminum with a flexible implementation of noise abatement in round ducts, ventilation and air conditioning system.

Silencer made of aluminum with a flexible implementation of noise abatement in round ducts, ventilation and air conditioning system.

- Insulating materials in non-flammable mineral wool, with thermal and acoustic insulation, free of formaldehyde and retains all the qualities of traditional mineral wool. It has a RAL certificate, is hygienically safe according to the German TRGS 905 (technical rules for hazardous substances), as well as EU policy 97/69 / EG
- Coat; rofleks layer pipe made of aluminum or galvanized or stainless steel
- The inner tube; rofleks perforated two-layer tube of aluminum
- Transition attenuation measured according to EN ISO 7235
- Airtightness of the housing according to CE DIN EN 1856 - 02, class P1

Additional equipment and accessories:

- Special connection reducers

2. GENERAL INFORMATION

USE

- Round silencers to reduce the air – regenerated noise in round ducts for air conditioning and cooling system, heat exchanger
- To reduce the air – regenerated noise of air terminal units LVC and TVR, and mechanical steering wheel self-propelled
- To reduce fan noise
- Can be used as a silencer to reduce noise transmission through channels between adjacent spaces

VARIANTS

- Round silencers with 25mm thick wall
- Round silencers with 250mm thick wall
- Special versions on request
- Housing – flexible tubes, anodized aluminum

NORMAL SIZE

- 80, 100, 125, 150, 160, 180, 200, 250, 315

SPECIAL FEATURES

- Transition attenuation measured according to EN ISO 7235
- The absorbent material is flame – retardant
- The thickness of the damping material is compressed and is stopped in the housing

PARTS AND CHARACTERISTICS

- Housing
- Perforated inner tube
- Absorbent material

TEHNIICAL INFORMATION

Nominal size	100-800mm
Working pressure	max. 1000 Pa
Working temperature	max. 200°C

CONSTRUCTION FEATURES

- Round housing
- Spigot suitable for round ducts; EN 1506 or EN 13180
- Maximum operating pressure 1000 Pa
- Maximum operating temperature 200 °C,
- Special working conditions 1250

MATERIALS AND SURFACES

- The casing and the perforated inner channel is made of aluminum
- Damping material is made of mineral wool

Damping material:

- Superior thermal and sound insulation
- Gentle at touch, is not shedding or cause hand irritation
- Resistant to fungal and bacterial growth
- It has acquired CE, EUCB and RAL certificates

STANDARDS AND GUIDE LINES

- Transitional attenuation measured according to EN ISO 7235
- Airtightness of the housing according to CE DIN EN 1856 – 02, class P1

MAINTAINANCE

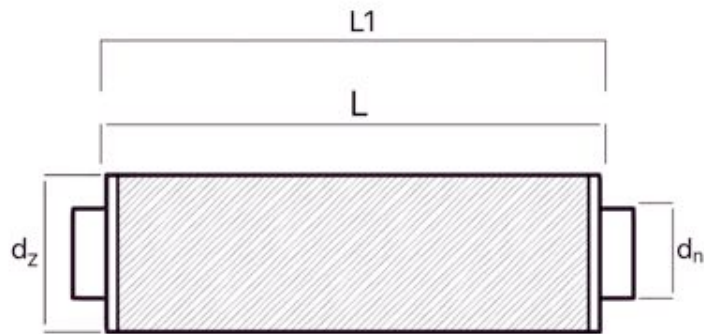
- Maintenance-free, because the construction and the materials are not subject to wear and tear

3. DIMENSIONS AND WEIGHTS

5.1. USE

- Silencers for noise reduction
- Plug-in in conjunction with the air duct

5.2. DIMENSIONS



$$R = 3 \times d_z$$

Nominal size	d_n	d_z
	mm	mm
80/125	80	150
100/150	100	175
125/180	125	200
150/200	140 (100)	210
150/250	150	220
160/200	160	230
180/250	180	275
200/250	200	280
250/315	250	340
315/400	310	400

Nominal size	L	L ₁
	mm	mm
500	650	500
1000	1150	1000
1500	1650	1500
2000	2150	2000

5.3. WEIGHT (with packing)

Nominal size	1000
	g
80/125	947
100/150	1296
125/180	1477
150/200	1656
150/250	1635
160/200	1565
180/250	2118
200/250	2128
250/315	2600
315/400	4200

4. CODE OF CONTRACT

CS050, CF050 length, L= 1000mm
(the thickness of the pack 50mm)

Nominal size	The central frequency fm (Hz)							
	63	125	250	500	1000	2000	4000	8000
	D _e							
	dB							
80/125	8	14	23	47	50	50	44	27
100/150	7	10	21	38	50	50	29	22
125/180	5	7	16	32	50	42	25	22
150/200	5	6	14	30	50	40	25	20
150/250	4	5	14	28	49	36	22	18
160/200	4	5	12	26	47	34	20	16
180/250	3	5	11	25	45	26	16	13
200/250	2	4	9	25	40	19	12	10
250/315	1	4	8	22	28	13	12	8
315/400	0	4	8	18	23	11	10	7

NOMINAL SIZE:

- 80 / 125
- 100 / 150
- 125 / 180
- 150 / 200
- 150 / 250
- 160 / 200
- 180 / 250
- 200 / 250
- 250 / 315
- 315 / 400

DULC

R O f l e k s d.o.o.

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