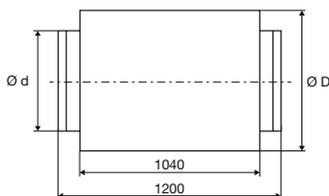


# SONOULTRA – silencer



Ø [mm]	80		100		125		152		160		185		200		250		315	
insulation thickness [mm]	25	50	25	50	25	50	–	50	25	50	–	50	25	50	25	50	25	50
Ø d [mm]	80	80	100	100	125	125	–	150	160	160	–	180	200	200	250	250	315	315
Ø D [mm]	130	180	150	200	175	225	–	250	210	260	–	280	250	300	300	350	365	415

## Technical parameters

Flexible silencers are thermally and acoustically insulated and, thanks to their elasticity and flexibility, enable easy installation in circular air distribution systems. SONOULTRA silencers have a high resistance to UV radiation and are resistant to selected chemicals. The inner hose is made of non-woven fabric, the outer shell is made of laminated aluminum. The thermal insulation of the shock absorber is made of glass fibers with a thickness of 25 or 50 mm.

The connection sockets are made of galvanized sheet metal. The dampers are suitable for use in air-conditioning and air-conditioning systems without special requirements.

They are primarily designed to reduce noise in pipelines. Their use in residential or small commercial recuperation units for the discharge of fresh air or suction of waste air is very suitable.

### Parameters

temperature range	–20 až +90 °C
operating speed	max. 20 m/s
operating pressure	max. 1.500 Pa
insulation thickness	25 nebo 50 mm
density of thermal insulation	16 kg/m <sup>3</sup>
thermal conductivity λ	0.037 Wm <sup>-1</sup> K <sup>-1</sup>

Insertion attenuation (dB)		attenuation dB in the frequency band									
Ø [mm]	insulation thickness [mm]	63	125	250	500	1.000	2.000	4.000	8.000		
80	25	9.9	31.5	42.4	43.1	37.3	38.9	49.2	44.3		
	50	10.1	29.8	40.2	40.3	40.8	44.2	50.1	47.0		
100	25	8.0	24.0	37.2	34.6	33.2	36.5	41.0	32.2		
	50	5.1	18.9	29.2	36.1	43.7	45.6	48.2	40.2		
125	25	6.2	22.2	31.2	35.6	30.3	30.5	44.3	31.7		
	50	8.1	24.6	37.3	37.2	38.1	41.8	32.1	24.5		
150	25	16.8	35.2	35.4	28.1	24.2	28.1	26.5	15.6		
	50	10.4	24.9	32.0	29.9	34.5	39.7	27.9	18.1		
160	25	11.0	28.2	36.1	28.0	24.9	28.2	29.5	18.1		
	50	10.0	25.5	33.3	29.9	32.7	37.7	26.6	17.8		
200	25	7.1	13.9	21.5	21.8	23.7	29.3	18.5	10.3		
	50	15.9	29.0	28.8	24.1	28.1	31.9	18.9	11.7		
250	25	15.6	28.0	25.1	20.2	18.0	21.3	11.5	10.3		
	50	8.8	18.1	20.5	21.9	27.4	23.8	10.2	11.0		
315	25	18.8	23.7	19.8	15.0	16.9	17.3	5.6	6.8		
	50	3.5	6.7	13.2	18.4	24.3	18.9	6.5	7.6		

related to 1.2 m of the silencer

