

Circular sound attenuators type SARG 50

Round silencer made of galvanized steel. Up to diameter 500 mm the insulation thickness is 50 mm (SARG 50), with larger diameters the insulation thickness is 100 mm (see SARG 100)

Application

- Reduction of noise in the circular ducts of low to medium pressure air handling systems
- Reduction of noise generated by air handling units to any airflow direction
- Optionally can be used in the duct systems to reduce the external noise between different

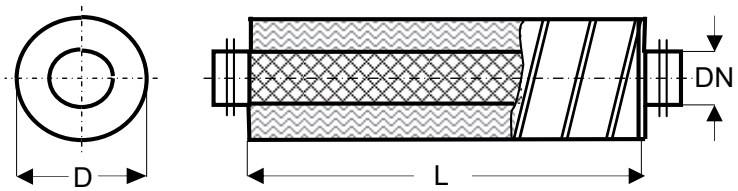
premises

Composition

- Circular silencers are designed with an external galvanised duct system
- Inner casing is made of polyester spunbond
- Cavity is filled with soundabsorbent mineral wool
- Casing and inner net from galvanized steed (DX51D+Z275). Corrosion class – C2 (ISO 12944).
- Inner material - polyester spunbond (type 488/50).
- Attenuation material - mineral wool. Fire rating class A1(EN 13501) – non-combustible.

Sound attenuators

Sound attenuation values										
SAR	Attenuation dB									Pressure loss (m)
	63HZ	125Hz	250Hz	500Hz	1kHz	2kHz	4kKz	8kHz	Weight (kg)	
SARG50 080 L= 600	4	9	13	26	30	32	25	24	2.9	
SARG50 080 L= 900	4	11	22	39	45	48	37	33	4.1	0.374
SARG50 080 L= 1200	4	13	31	50	50	50	50	42	5.2	
SARG50 100 L= 600	4	9	11	19	33	45	40	19	3.3	
SARG50 100 L= 900	4	10	15	28	40	50	44	27	4.6	**0.286**
SARG50 100 L= 1200	4	10	20	37	48	50	48	34	5.9	
SARG50 125 L= 600	4	6	10	19	28	33	25	18	3.8	
SARG50 125 L= 900	4	9	14	27	42	50	35	24	5.3	0.22
SARG50 125 L= 1200	4	11	17	36	46	50	46	31	6.8	
SARG50 150 L= 600	3	6	9	17	30	29	24	13	4.5	
SARG50 150 L= 900	4	7	12	25	38	44	32	17	6.2	**0.176**
SARG50 150 L= 1200	5	9	18	37	47	50	44	21	8	
SARG50 160 L= 600	2	5	8	16	26	26	23	10	4.5	
SARG50 160 L= 900	3	5	11	23	35	39	30	12	6.2	0.163
SARG50 160 L= 1200	4	6	15	30	44	50	38	14	7.9	
SARG50 180 L= 600	1	4	8	16	24	23	18	10	5.1	
SARG50 180 L= 900	3	5	11	21	33	35	23	12	7.1	**0.14**
SARG50 180 L= 1200	3	6	14	26	43	46	29	14	9	
SARG50 200 L= 600	0	3	7	16	22	20	13	10	5.5	
SARG50 200 L= 900	2	5	10	19	30	31	16	11	7.6	0.123
SARG50 200 L= 1200	2	6	12	22	42	41	20	13	9.8	
SARG50 224 L= 600	1	3	7	15	21	18	11	8	6.4	
SARG50 224 L= 900	2	4	10	18	28	26	15	10	8.9	**0.108**
SARG50 224 L= 1200	2	5	12	22	38	34	19	12	11.4	
SARG50 250 L= 600	1	2	6	13	19	15	8	6	7.7	
SARG50 250 L= 900	2	3	9	17	26	21	13	8	10.6	0.095
SARG50 250 L= 1200	2	4	12	21	34	27	17	10	13.5	
SARG50 280 L= 600	1	2	6	12	18	14	8	5	8.9	
SARG50 280 L= 900	2	3	9	16	25	20	12	7	12.2	**0.081**
SARG50 280 L= 1200	2	4	12	21	41	26	16	10	15.6	
SARG50 300 L= 600	0	2	5	11	15	11	6	5	8.7	
SARG50 300 L= 900	2	3	8	16	23	18	10	7	12	0.074
SARG50 300 L= 1200	2	4	10	21	34	24	15	10	15.3	
SARG50 315 L= 600	0	1	4	10	12	7	4	4	9.2	
SARG50 315 L= 900	1	2	6	15	21	15	8	7	12.6	**0.069**
SARG50 315 L= 1200	1	3	7	21	27	22	13	10	16	
SARG50 355 L= 600	1	1	4	10	11	6	3	3	10.8	
SARG50 355 L= 900	1	2	6	14	18	12	6	5	14.7	0.061
SARG50 355 L= 1200	1	3	7	19	24	17	9	7	18.5	
SARG50 400 L= 600	1	1	4	10	11	5	1	2	12.2	
SARG50 400 L= 900	1	2	5	13	15	8	3	2	16.5	**0.052**
SARG50 400 L= 1200	1	2	7	16	20	11	4	3	20.8	
SARG50 450 L= 600	1	1	4	9	10	4	2	2	13.9	
SARG50 450 L= 900	1	2	5	13	14	6	3	2	18.8	0.048
SARG50 450 L= 1200	2	2	7	16	19	8	5	3	23.8	
SARG50 500 L= 600	1	1	3	8	9	2	3	2	14.8	
SARG50 500 L= 900	2	2	5	12	14	3	4	2	20.1	**0.039**
SARG50 500 L= 1200	2	2	6	16	18	4	5	3	25.3	



Dimensions			
	DN [mm]	D [mm]	L [mm]
SARG50 080 L= 600	80	180	600
SARG50 080 L= 900	80	180	900
SARG50 080 L= 1200	80	180	1200
SARG50 100 L= 600	100	200	600
SARG50 100 L= 900	100	200	900
SARG50 100 L= 1200	100	200	1200
SARG50 125 L= 600	125	224	600
SARG50 125 L= 900	125	224	900
SARG50 125 L= 1200	125	224	1200
SARG50 150 L= 600	150	250	600
SARG50 150 L= 900	150	250	900
SARG50 150 L= 1200	150	250	1200
SARG50 160 L= 600	160	250	600
SARG50 160 L= 900	160	250	900
SARG50 160 L= 1200	160	250	1200
SARG50 180 L= 600	180	280	600
SARG50 180 L= 900	180	280	900
SARG50 180 L= 1200	180	280	1200
SARG50 200 L= 600	200	300	600
SARG50 200 L= 900	200	300	900
SARG50 200 L= 1200	200	300	1200
SARG50 224 L= 600	224	315	600
SARG50 224 L= 900	224	315	900
SARG50 224 L= 1200	224	315	1200
SARG50 250 L= 600	250	355	600
SARG50 250 L= 900	250	355	900
SARG50 250 L= 1200	250	355	1200
SARG50 280 L= 600	280	400	600
SARG50 280 L= 900	280	400	900
SARG50 280 L= 1200	280	400	1200
SARG50 300 L= 600	300	400	600
SARG50 300 L= 900	300	400	900
SARG50 300 L= 1200	300	400	1200
SARG50 315 L= 600	315	400	600
SARG50 315 L= 900	315	400	900
SARG50 315 L= 1200	315	400	1200
SARG50 355 L= 600	355	450	600
SARG50 355 L= 900	355	450	900
SARG50 355 L= 1200	355	450	1200
SARG50 400 L= 600	400	500	600
SARG50 400 L= 900	400	500	900
SARG50 400 L= 1200	400	500	1200
SARG50 450 L= 600	450	560	600
SARG50 450 L= 900	450	560	900
SARG50 450 L= 1200	450	560	1200
SARG50 500 L= 600	500	600	600
SARG50 500 L= 900	500	600	900
SARG50 500 L= 1200	500	600	1200
* niet geschikt voor buiten montage			