

Circular sound attenuators type SARG 100

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

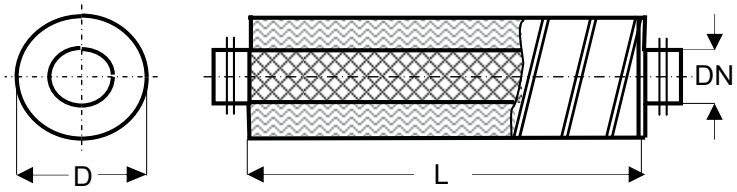
premises

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)	
SARG100 080 L= 600	4	15	21	33	47	50	50	50	5.2	
SARG100 080 L= 900	4	18	30	50	50	50	48	50	7.2	0.374
SARG100 080 L= 1200	5	20	39	50	50	50	50	50	9.2	
SARG100 100 L= 600	4	14	18	29	39	50	48	46	5.7	
SARG100 100 L= 900	5	17	23	36	46	50	50	50	7.9	**0.286**
SARG100 100 L= 1200	6	19	28	43	50	50	50	50	10.1	
SARG100 125 L= 600	3	13	17	31	33	34	29	19	6.6	
SARG100 125 L= 900	4	14	20	34	43	50	39	25	9.2	0.22
SARG100 125 L= 1200	5	14	21	37	50	50	50	32	11.9	
SARG100 140 L= 600	3	11	15	29	35	33	29	17	7.9	
SARG100 140 L= 900	4	13	19	32	41	49	41	23	11	**0.163**
SARG100 140 L= 1200	5	13	21	36	50	50	50	30	14	
SARG100 150 L= 600	3	10	14	26	28	31	30	15	7.9	
SARG100 150 L= 900	4	11	17	30	39	49	43	19	10.9	0.176
SARG100 150 L= 1200	5	12	20	39	50	50	50	22	14	
SARG100 160 L= 600	3	8	12	24	26	30	30	10	7.9	
SARG100 160 L= 900	4	10	16	28	37	48	45	13	10.9	**0.163**
SARG100 160 L= 1200	5	11	19	33	47	50	50	16	14	
SARG100 180 L= 600	3	8	12	21	25	26	22	11	9.2	
SARG100 180 L= 900	4	10	16	26	38	42	31	13	12.7	0.14
SARG100 180 L= 1200	5	12	19	30	47	50	39	19	16.3	
SARG100 200 L= 600	2	7	11	17	23	22	14	11	9.1	
SARG100 200 L= 900	3	9	15	23	32	35	17	13	12.6	**0.123**
SARG100 200 L= 1200	4	12	18	26	46	45	28	22	16.2	
SARG100 224 L= 600	3	6	11	17	22	19	12	9	9	
SARG100 224 L= 900	4	8	15	24	36	30	16	12	12.5	0.108
SARG100 224 L= 1200	5	10	18	29	46	36	23	18	16	
SARG100 250 L= 600	3	5	10	16	20	16	9	7	10.7	
SARG100 250 L= 900	4	6	14	24	30	24	14	10	14.7	**0.095**
SARG100 250 L= 1200	5	7	17	31	45	32	18	13	18.8	
SARG100 280 L= 600	3	5	10	15	19	15	9	7	12.2	
SARG100 280 L= 900	3	6	14	23	28	23	13	10	16.9	0.081
SARG100 280 L= 1200	4	7	17	30	44	31	17	13	21.5	
SARG100 300 L= 600	2	4	10	13	18	15	8	6	12.1	
SARG100 300 L= 900	3	5	13	21	27	22	12	9	16.7	**0.074**
SARG100 300 L= 1200	4	7	17	28	37	29	16	12	21.2	
SARG100 315 L= 600	2	4	10	12	17	14	8	6	12.8	
SARG100 315 L= 900	2	5	13	20	25	21	11	9	17.4	0.069
SARG100 315 L= 1200	3	7	17	27	33	28	15	12	22.1	
SARG100 355 L= 600	1	3	9	11	12	7	5	4	15	
SARG100 355 L= 900	2	5	11	16	19	14	8	7	20.4	**0.061**
SARG100 355 L= 1200	3	6	14	22	26	20	11	10	25.7	
SARG100 400 L= 600	1	4	10	12	14	7	6	5	16.2	
SARG100 400 L= 900	2	5	12	19	20	14	8	8	22	0.052
SARG100 400 L= 1200	3	6	13	23	27	18	11	10	27.8	
SARG100 450 L= 600	1	4	8	12	14	7	5	5	19.1	
SARG100 450 L= 900	2	5	11	16	16	8	6	5	26.3	**0.048**
SARG100 450 L= 1200	3	6	12	21	23	13	8	8	33.4	
SARG100 500 L= 600	1	4	6	12	13	6	4	4	22.8	
SARG100 500 L= 900	3	6	12	20	18	8	6	5	31.1	0.039
SARG100 500 L= 1200	3	7	12	23	25	11	8	7	39.4	
SARG100 560 L= 900	3	5	11	20	15	7	5	4	36.3	
SARG100 560 L= 1200	3	6	11	20	18	8	6	5	46	**0.034**
SARG100 630 L= 900	2	3	8	16	6	3	3	3	38	
SARG100 630 L= 1200	2	3	10	19	10	4	3	3	47.6	0.03
SARG100 710 L= 1200	2	3	10	17	9	3	3	3	55.6	**0.029**
SARG100 800 L= 1200	3	3	10	15	7	3	3	4	70	0.023



	Dimensions		
	d [mm]	D [mm]	L [mm]
SARG100 080 L= 600	80	280	600
SARG100 080 L= 900	80	280	900
SARG100 080 L= 1200	80	280	1200
SARG100 100 L= 600	100	300	600
SARG100 100 L= 900	100	300	900
SARG100 100 L= 1200	100	300	1200
SARG100 125 L= 600	125	315	600
SARG100 125 L= 900	125	315	900
SARG100 125 L= 1200	125	315	1200
SARG100 140 L= 600	140	355	600
SARG100 140 L= 900	140	355	900
SARG100 140 L= 1200	140	355	1200
SARG100 150 L= 600	150	355	600
SARG100 150 L= 900	150	355	900
SARG100 150 L= 1200	150	355	1200
SARG100 160 L= 600	160	355	600
SARG100 160 L= 900	160	355	900
SARG100 160 L= 1200	160	355	1200
SARG100 180 L= 600	180	400	600
SARG100 180 L= 900	180	400	900
SARG100 180 L= 1200	180	400	1200
SARG100 200 L= 600	200	400	600
SARG100 200 L= 900	200	400	900
SARG100 200 L= 1200	200	400	1200
SARG100 224 L= 600	224	400	600
SARG100 224 L= 900	224	400	900
SARG100 224 L= 1200	224	400	1200
SARG100 250 L= 600	250	450	600
SARG100 250 L= 900	250	450	900
SARG100 250 L= 1200	250	450	1200
SARG100 280 L= 600	280	500	600
SARG100 280 L= 900	280	500	900
SARG100 280 L= 1200	280	500	1200
SARG100 300 L= 600	300	500	600
SARG100 300 L= 900	300	500	900
SARG100 300 L= 1200	300	500	1200
SARG100 315 L= 600	315	500	600
SARG100 315 L= 900	315	500	900
SARG100 315 L= 1200	315	500	1200
SARG100 355 L= 600	355	560	600
SARG100 355 L= 900	355	560	900
SARG100 355 L= 1200	355	560	1200
SARG100 400 L= 600	400	600	600
SARG100 400 L= 900	400	600	900
SARG100 400 L= 1200	400	600	1200
SARG100 450 L= 600	450	630	600
SARG100 450 L= 900	450	630	900
SARG100 450 L= 1200	450	630	1200
SARG100 500 L= 600	500	710	600
SARG100 500 L= 900	500	710	900
SARG100 500 L= 1200	500	710	1200
SARG100 560 L= 900	560	800	900
SARG100 560 L= 1200	560	800	1200
SARG100 630 L= 900	630	800	900
SARG100 630 L= 1200	630	800	1200
SARG100 710 L= 1200	710	900	1200
SARG100 800 L= 1200	800	1000	1200
* niet geschikt voor buiten montage			