



Circular sound attenuators type SARG

Circular sound attenuator in galvanized steel with diameter between 100 and 315 mm

Top airtightness – class D (EN 15727:2010).

Sound attenuation is tested according to EN ISO 7235 at independent laboratory

Maximum operating pressure – 1000 Pa.

Maximum operating temperature - 100°C

Outdoor applications only if covered from precipitation

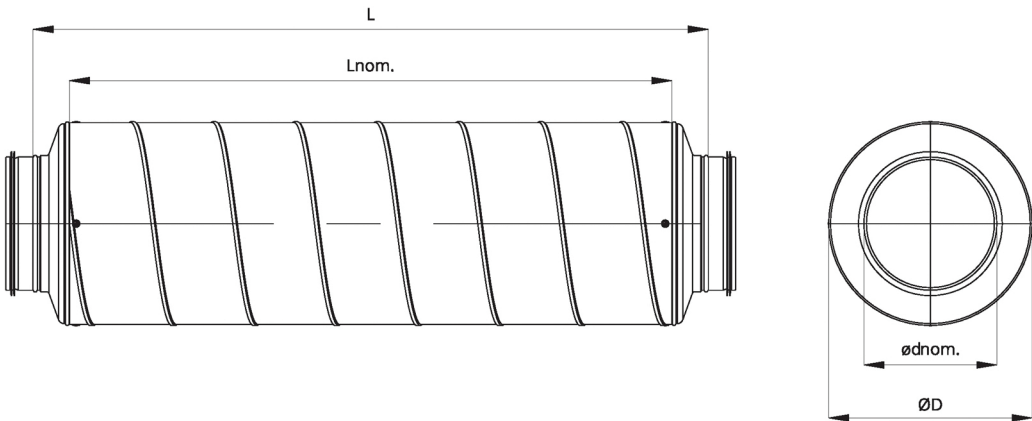
Application

- 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

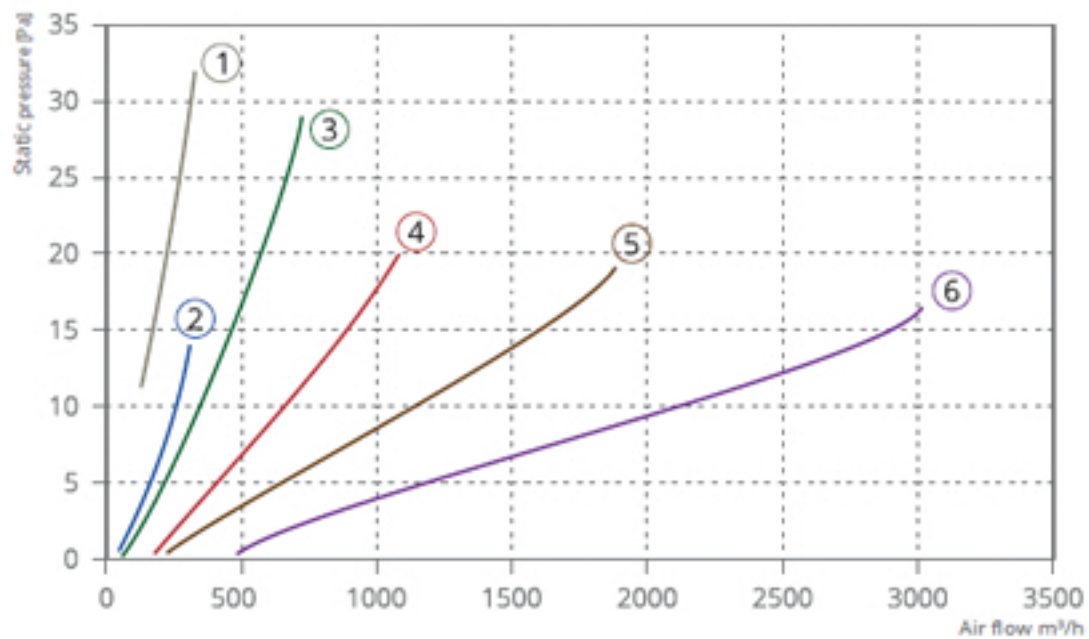
Composition

- 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 steel (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.

Pressure loss					
Diametrul de racord	Debit de aer	Debit de aer	Lungime nominala [mm]		
[mm]	[mc/h]	[l/s]	600	900	1200
			Δp [Pa]		
100	158	44	7	11	x
	224	62	14	21	x
	278	77	21	32	x
	331	92	30	45	x
125	70	19	<1	1	x
	141	39	2	4	x
	211	59	5	8	x
	282	78	9	14	x
160	103	28	<1	<1	x
	200	56	2	3	x
	302	84	4	6	x
	500	139	7	10	x
200	601	167	14	22	x
	704	196	19	29	x
	200	56	<1	<1	x
	402	112	2	3	x
250	599	166	4	6	x
	799	222	7	10	x
	1008	280	10	15	x
	1197	333	13	20	x
315	299	83	<1	<1	x
	600	167	2	3	x
	896	249	4	5	x
	1203	334	6	9	x
315	1502	417	9	14	x
	1804	501	13	19	x
	499	139	<1	<1	1
	1006	279	2	2	3
315	1503	417	3	5	6
	1999	555	5	8	10
	2506	696	8	12	16
	3013	837	11	16	22



Dimensions											
Frequency fm, Hz											
Ød,	Lnom	øD	63	125	250	500	1000	2000	4000	8000	Weight
mm	mm	mm									kg
Sound attenuation, dBA											
100*	300*	-	-	-	-	-	-	-	-	-	-
100*	600*	-	-	-	-	-	-	-	-	-	-
100*	900*	-	-	-	-	-	-	-	-	-	-
100*	1200*	-	-	-	-	-	-	-	-	-	-
125	300	228	71	54	72	91	197	194	165	106	33
125	600	228	102	71	104	150	328	352	300	155	54
125	900	228	142	103	149	208	429	496	390	183	72
125	1200	228	155	104	170	260	486	646	449	185	92
160	300	264	64	51	63	762	182	171	117	67	394
160	600	264	92	67	90	125	304	310	213	98	63
160	900	264	128	97	130	173	397	436	278	116	88
160	1200	264	140	98	147	217	449	568	320	117	111
200	300	304	46	32	45	62	167	131	84	72	49
200	600	304	65	42	65	101	278	237	153	105	75
200	900	304	90	60	94	140	363	334	200	124	105
200	1200	304	99	61	107	175	412	435	230	125	136
250	300	355	39	26	37	50	151	92	47	37	69
250	600	355	55	35	53	82	252	166	85	53	98
250	900	355	76	51	77	114	329	234	111	63	136
250	1200	355	84	51	87	142	373	305	128	64	173
315	300	419	34	25	31	40	128	65	46	43	72
315	600	419	48	33	45	66	213	117	83	63	116
315	900	419	67	47	65	92	278	165	108	74	160
315	1200	419	73	48	74	115	315	215	124	75	202

**Note**

1. SARG 100 x 900
2. SARG 125 x 900
3. SARG 160 x 900
4. SARG 200 x 900
5. SARG 250 x 900
6. SARG 315 x 900