Circular curved silencers

TYLA-L

Description

The TYLA-L is a 90 ° curved circular silencer with possible connection dimensions of 125-630 mm. These dampers are convenient to install where space is limited. Due to their inner characteristics, these dampers are more efficient than straight at high frequencies. The nominal thickness of the damping material is 50mm and 100mm with additional vibro-insulating material inside. The silencer is made of mineral wool, which is protected against direct air contact with polyester material to prevent mineral wool fibres from entering the duct. The outer casing is made of corrugated steel sheet, which allows the silencer to be mechanically cleaned without fear of damage. The products can be made of: galvanized steel sheet - corrosion class C3-L / C2-M; sheet with aluminium zinc coating - corrosion class C4-M / C3-H; stainless steel sheet AISI 304 (1.4301) or AISI 316L (1.4404) - corrosion class C5. Silencer is made with double seal gasket EPDM with self-slip material inside. Tightness class C according to LST EN 1506 and LST EN 12237. The silencer can be used at temperatures from -45 to +85 °C. The maximum permissible absolute humidity inside the air stream and outside is 18 g/kg. Sound characteristics tested according LST EN ISO 7235. For other dimensions and materials please contact UAB “MKTechnika” sales offices.

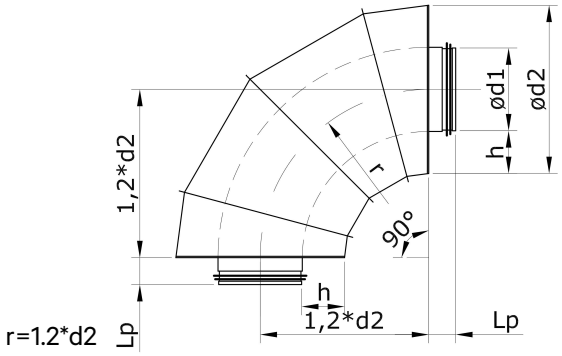
Ordering code

TYLA-L500V100

- Product
- Diameter d_1, mm
- Insulation thickness 50- ..., 100-V100

Sample: TYLA-L500 – circular curved silencer, dimension 500 mm with insulation thickness 50 mm.

Dimensions



		Insertion loss, dB for centre frequency									
Ød$_1$ [mm]	h [mm]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Ød$_2$ [mm]	Mass [kg]
125	50	2	6	9	16	28	34	25	22	227	2,8
	100	4	13	15	22	29	37	32	25	327	4,5
160	50	3	7	9	15	26	33	23	21	262	4,4
	100	3	11	14	19	27	35	31	23	362	6,1
200	50	2	6	8	16	27	26	23	20	302	5,2
	100	2	10	14	22	29	33	29	24	402	9,0
250	50	1	5	7	15	24	22	21	19	352	7,3
	100	2	9	11	19	26	29	24	21	452	13
315	50	2	6	8	14	19	16	15	13	417	9,1
	100	2	9	12	19	24	21	17	16	517	17
400	50	2	6	8	15	21	17	15	13	502	15
	100	3	7	10	17	23	18	16	15	602	27
500	50	2	6	8	16	19	16	13	11	602	23
	100	3	6	14	18	22	17	15	12	702	41
630	50	2	7	9	15	19	16	14	11	732	32
	100	3	7	15	19	21	17	16	12	832	57

Technical data