



TECHNIKA

# Circular straight silencers

# TYLA-V100



## Description

TYLA-V is a circular straight silencer with possible connection dimensions of 100-1250 mm. The nominal thickness of the damping material is 100 mm 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.

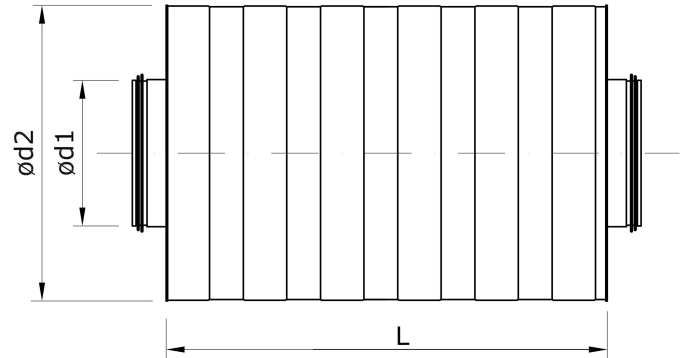
## Ordering code

TYLA160L900V100

Product	
Diameter $d_1$ , mm	
Length, mm	
Thickness of insulation, mm	

Sample: TYLA160L900V100 – circular straight silencer, diameter 160 mm, length 900 mm, with insulation thickness 100 mm.

## Dimensions



		Insertion loss, dB for centre frequency									
$\varnothing d_1$ [mm]	L [mm]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	$\varnothing d_2$ [mm]	Mass [kg]
100	600	4	15	23	28	46	50	44	24	302	4,8
	900	8	21	28	38	50	50	44	26	302	6,6
	1200	8	20	34	48	50	50	50	31	302	8,9
125	600	4	13	13	28	41	35	29	19	327	5,1
	900	5	16	26	37	50	46	42	23	327	8,4
	1200	5	15	28	41	50	50	48	30	327	11
160	600	3	11	16	30	34	32	23	15	362	6,6
	900	6	15	21	38	44	37	32	18	362	8,4
	1200	5	16	24	49	50	50	37	23	362	11
200	600	1	11	13	19	28	21	17	13	402	7,7
	900	2	12	15	36	38	31	24	17	402	10
	1200	2	11	22	41	48	39	26	18	402	13
250	600	2	6	12	22	26	18	13	12	452	9,4
	900	2	11	17	32	32	25	18	13	452	12
	1200	3	10	18	39	47	32	22	16	452	15
315	600	2	5	8	19	23	12	12	9	517	12
	900	2	10	15	23	32	18	12	12	517	17
	1200	2	7	18	29	42	22	19	14	517	22
355	600	1	5	7	15	20	11	9	8	557	11
	900	1	9	12	21	30	16	11	10	557	16
	1200	2	6	16	27	36	19	17	11	557	21
400	600	1	5	6	10	13	8	7	6	602	14
	900	1	8	11	20	27	13	12	9	602	21
	1200	2	6	14	24	25	15	15	9	602	27
450	600	1	4	5	10	11	8	7	5	652	15
	900	1	7	10	18	23	11	9	6	652	21
	1200	2	6	13	19	22	14	13	9	652	30
500	600	1	4	5	12	11	8	6	3	702	16
	900	1	6	11	17	20	9	6	4	702	24
	1200	2	6	14	16	19	13	13	8	702	32
560	600	1	3	4	10	11	7	4	3	762	21
	900	1	6	9	14	18	8	5	3	762	29
	1200	1	6	12	13	17	12	11	7	762	40
630	600	0	3	4	8	10	5	2	2	832	22
	900	0	5	7	9	12	6	4	2	832	33
	1200	0	5	10	11	14	10	9	5	732	44



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		Insertion loss, dB for centre frequency									
$\varnothing d_1$ [mm]	L [mm]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	$\varnothing d_2$ [mm]	Mass [kg]
710	600	0	3	3	7	9	5	2	2	912	34
	900	0	4	5	7	9	6	3	1	912	41
	1200	0	5	8	8	12	9	8	5	912	47
800	600	0	3	3	5	7	4	2	2	1002	36
	900	0	4	4	5	8	3	1	1	1002	43
	1200	0	5	8	7	10	8	6	4	1002	54
900	600	0	3	3	4	6	2	2	1	1102	38
	900	0	3	4	4	7	3	1	1	1102	46
	1200	0	5	7	7	9	8	5	4	1102	62
1000	900	0	3	4	3	7	2	1	1	1202	51
	1200	0	4	6	5	8	7	4	3	1202	65
1250	900	0	3	3	3	6	2	0	0	1452	70
	1200	0	4	5	5	7	6	4	3	1452	90

## Technical data

