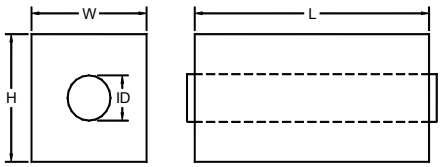
CSN-MV-L58

Circular, Straight, No-Fill, Medium Velocity Sounpak® Silencer



Availability
Diameter of 8 inches. Length equal to 36 inches.
Custom lengths also available.

Table 1: Insertion Loss

ID (in)	Length (in)	W x H (in)	Face Velocity (fpm)	Insertion Loss (dB)							
				63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
8	36	21 x 21	-3000	17	20	28	23	16	11	9	5
			0	16	18	23	16	12	11	9	5
			+3000	15	17	26	27	18	14	9	6

Note that ASTM inter-laboratory testing has shown insertion loss may vary as much as 6 dB in the 63hz band, and 3 dB for all other frequencies. Data in parenthesis () may be greater than shown due to limitations in laboratory equipment and/or facilities.

Table 2: Airflow Generated Sound Power

ID (in)	Face Velocity (fpm)	Airflow Generated Sound Power Level (dB)							
		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
8	-3000	(53)	46	48	48	53	58	55	47
	-2000	(52)	41	43	45	49	47	39	(29)
	-1000	51	40	34	32	33	32	30	27
	1000	57	46	39	35	35	36	36	32
	2000	63	54	52	50	52	55	51	39
	3000	66	60	61	56	56	61	62	55

Note that ASTM inter-laboratory testing has shown that generated noise may vary as much as 6 dB in the 63hz band, and 3 dB for all other frequencies. Data in parenthesis () may be less than shown due to limitations in laboratory equipment.

Table 3: Pressure Loss

ID (in)	Weight (lbs)	Loss Coefficient	Dynamic Pressure Loss (in wg)					
			Face Velocity (fpm)					
			500	1000	1500	2000	2500	3000
8	35	0.81	0.01	0.05	0.11	0.20	0.32	0.45

Notes: Weights rounded up to nearest 5 lbs. Shaded regions represent a design condition that may have negative consequences for acoustically sensitive applications.

Silencer is connected to ROUND duct even though outer shell of silencer is rectangular.