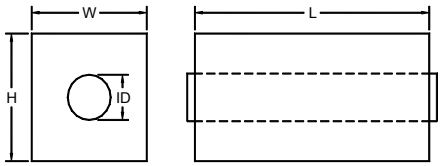
CSN-MV-L44

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



Availability
Diameter of 12 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
12	36	21 x 21	-3000	13	15	26	31	16	10	5	(3)
			0	11	12	20	16	11	9	7	(5)
			+3000	11	12	21	29	15	11	7	(5)

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
12	-3000	<61	57	53	51	57	66	67	61
	-2000	(54)	47	45	47	53	58	55	45
	-1000	(49)	(37)	38	41	39	34	(25)	(29)
	1000	(51)	(40)	40	42	43	39	(28)	(29)
	2000	63	55	51	50	54	61	60	49
	3000	66	62	60	54	58	66	69	64

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
12	40	1.12	0.02	0.07	0.16	0.28	0.44	0.63

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.