

8 CNM-MV-F1

Circular No-Media
Medium velocity silencer
(<1250 fpm)

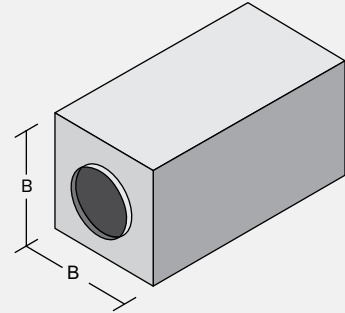
How to Specify Example:

8 X CNM-MV-F1 X 72

↑
Duct
Connection
Size

↑
Silencer
Model

↑
Silencer
Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	9	16	34	12	10	15	14	10
	0	10	14	32	7	8	16	16	12
	+ 1000	10	17	35	11	10	18	17	12
48	- 1000	10	17	34	12	10	18	18	13
	0	12	14	31	8	8	19	19	13
	+ 1000	11	17	36	12	11	21	21	14
60	- 1000	11	17	35	13	11	21	22	15
	0	12	13	30	9	9	23	22	15
	+ 1000	13	18	36	13	12	25	24	16
72	- 1000	12	18	35	13	11	26	26	18
	0	12	13	29	10	9	25	25	17
	+ 1000	15	19	37	14	12	28	28	19

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
8	30x30	36	106	0.05	0.11	0.19	0.29	0.42	0.58	0.75
		48	139	0.05	0.12	0.22	0.34	0.49	0.67	0.88
		60	172	0.06	0.14	0.25	0.39	0.56	0.76	1.00
		72	204	0.07	0.16	0.28	0.44	0.63	0.86	1.12

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 0.35 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	56	50	49	47	49	52	51	41
	- 750	55	45	44	41	45	46	41	26
	+ 750	54	49	43	40	43	46	40	24
	+ 1250	56	53	50	46	47	50	47	36

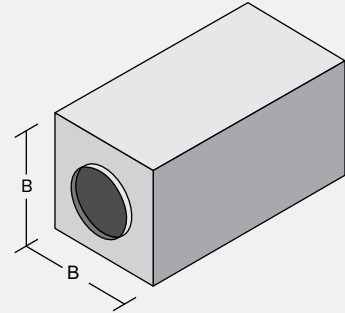
8 CNM-MV-F2

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

8 X CNM-MV-F2 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	8	13	22	22	14	18	14	12
	0	8	12	20	17	12	19	16	15
	+ 1000	10	15	25	23	16	21	17	15
48	- 1000	8	13	23	26	16	21	19	14
	0	9	12	20	21	14	22	20	16
	+ 1000	10	15	25	27	18	24	22	17
60	- 1000	9	14	23	29	18	25	24	16
	0	9	11	21	25	16	25	25	18
	+ 1000	10	14	26	30	20	27	27	18
72	- 1000	9	14	24	33	21	28	29	19
	0	9	11	21	28	18	29	30	19
	+ 1000	10	14	26	34	22	30	32	20

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
8	20x20	36	68	0.05	0.12	0.21	0.33	0.47	0.64	0.84
		48	90	0.06	0.14	0.24	0.38	0.55	0.75	0.98
		60	113	0.07	0.16	0.28	0.44	0.63	0.85	1.12
		72	134	0.08	0.18	0.31	0.49	0.71	0.96	1.25

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 0.35 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	56	50	49	48	49	53	54	43
	- 750	55	45	44	43	45	48	45	28
	+ 750	54	47	42	39	43	47	41	28
	+ 1250	55	52	49	45	47	51	48	39

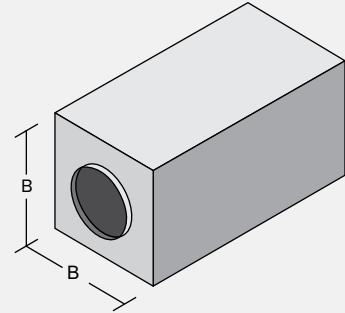
10 CNM-MV-F1

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

10 × **CNM-MV-F1** × **72**

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : “forward flow” where noise & airflow move in same direction (e.g. supply side)

- : “reverse flow” where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	12	14	30	12	10	14	14	11
	0	11	12	26	8	9	15	15	13
	+ 1000	12	14	29	11	11	17	17	14
48	- 1000	13	16	32	14	12	19	17	14
	0	11	12	27	10	10	19	19	16
	+ 1000	13	16	32	14	13	21	20	17
60	- 1000	14	17	34	17	14	23	21	16
	0	11	13	29	12	11	23	22	18
	+ 1000	15	17	35	16	15	25	24	19
72	- 1000	15	18	37	19	16	27	25	18
	0	12	13	30	14	12	27	26	20
	+ 1000	16	18	37	19	17	29	27	21

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
10	30x30	36	110	0.05	0.12	0.21	0.34	0.48	0.66	0.86
		48	144	0.06	0.14	0.25	0.39	0.56	0.76	0.99
		60	179	0.07	0.16	0.28	0.44	0.64	0.87	1.13
		72	212	0.08	0.18	0.32	0.50	0.71	0.97	1.27

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 0.55 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	56	53	52	49	50	54	55	47
	- 750	55	48	46	43	46	49	46	33
	+ 750	53	50	42	38	42	45	38	27
	+ 1250	55	55	52	46	47	52	49	40

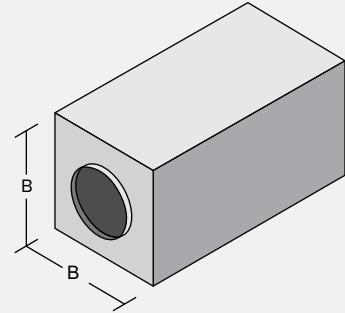
10 CNM-MV-F2

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

10 X CNM-MV-F2 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	10	11	17	22	13	15	13	12
	0	8	9	15	18	11	16	15	14
	+ 1000	10	12	19	22	15	17	16	15
48	- 1000	10	12	19	26	17	19	17	14
	0	9	10	16	22	14	19	18	16
	+ 1000	11	12	20	26	18	21	20	17
60	- 1000	11	12	20	30	20	22	21	14
	0	9	10	16	26	17	22	22	18
	+ 1000	12	13	21	30	21	24	24	19
72	- 1000	12	13	21	34	23	26	25	18
	0	9	10	17	30	20	26	26	20
	+ 1000	12	13	22	35	24	28	28	20

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
10	20x20	36	73	0.05	0.12	0.21	0.33	0.48	0.65	0.85
		48	97	0.06	0.14	0.24	0.38	0.55	0.74	0.97
		60	120	0.07	0.15	0.27	0.43	0.61	0.84	1.09
		72	142	0.08	0.17	0.30	0.47	0.68	0.93	1.21

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 0.55 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	56	53	51	49	51	55	57	49
	- 750	54	49	45	44	47	50	48	35
	+ 750	54	51	42	37	42	44	37	27
	+ 1250	56	55	51	45	47	52	49	40

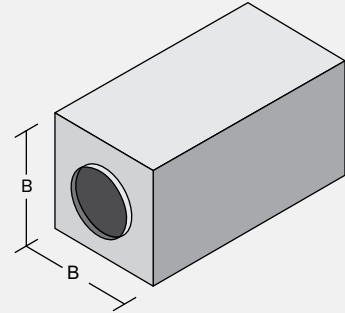
12 CNM-MV-F1

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

12 X CNM-MV-F1 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	12	13	26	13	11	14	14	13
	0	9	10	19	9	9	14	15	15
	+ 1000	11	12	24	12	12	16	16	17
48	- 1000	13	14	30	16	14	19	17	15
	0	10	11	23	12	11	18	19	18
	+ 1000	13	14	29	19	15	21	20	19
60	- 1000	15	16	34	20	17	24	20	16
	0	11	12	27	15	14	23	22	20
	+ 1000	14	16	33	20	18	26	24	21
72	- 1000	16	18	39	24	21	29	24	18
	0	12	13	31	18	16	28	26	23
	+ 1000	16	17	38	24	21	31	27	24

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
12	30x30	36	115	0.06	0.14	0.24	0.38	0.54	0.74	0.96
		48	150	0.07	0.16	0.28	0.43	0.63	0.85	1.11
		60	186	0.08	0.18	0.32	0.49	0.71	0.97	1.26
		72	221	0.09	0.20	0.35	0.55	0.80	1.08	1.41

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 0.79 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	56	57	54	50	51	57	60	54
	- 750	54	52	47	44	47	52	52	41
	+ 750	52	52	41	37	41	44	37	30
	+ 1250	55	58	53	47	48	53	52	43

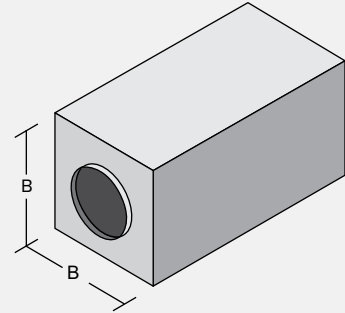
12 CNM-MV-F2

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

12 X CNM-MV-F2 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : “forward flow” where noise & airflow move in same direction (e.g. supply side)

- : “reverse flow” where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	8	9	13	21	13	13	13	12
	0	6	6	10	20	10	12	14	14
	+ 1000	7	8	13	21	14	15	15	15
48	- 1000	9	10	14	26	17	16	15	14
	0	7	8	11	24	14	16	17	16
	+ 1000	9	10	15	26	18	18	18	17
60	- 1000	10	11	16	30	21	20	18	16
	0	8	9	12	28	18	20	19	17
	+ 1000	10	11	16	31	22	22	21	19
72	- 1000	11	13	18	35	25	24	21	18
	0	9	10	13	32	22	23	22	20
	+ 1000	11	13	18	35	26	26	24	21

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
12	20x20	36	77	0.05	0.12	0.21	0.33	0.48	0.65	0.85
		48	102	0.06	0.14	0.24	0.38	0.54	0.74	0.96
		60	127	0.07	0.15	0.27	0.42	0.60	0.82	1.07
		72	152	0.07	0.17	0.29	0.46	0.66	0.90	1.17

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 0.79 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	55	57	53	50	52	57	61	55
	- 750	53	52	47	45	48	52	52	42
	+ 750	53	54	42	35	41	41	34	27
	+ 1250	56	58	53	45	48	53	51	42

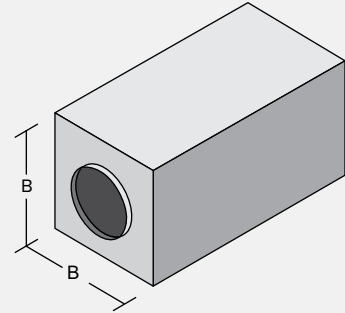
14 CNM-MV-F1

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

14 X CNM-MV-F1 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : “forward flow” where noise & airflow move in same direction (e.g. supply side)

- : “reverse flow” where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	9	11	24	10	10	13	11	8
	0	8	9	20	7	10	13	12	11
	+ 1000	9	10	23	10	11	15	13	12
48	- 1000	11	12	28	13	13	17	14	11
	0	9	10	23	10	13	18	16	14
	+ 1000	11	12	27	13	15	20	17	15
60	- 1000	13	14	33	15	17	22	18	14
	0	10	11	25	12	17	23	20	17
	+ 1000	13	14	32	17	19	25	21	18
72	- 1000	14	16	37	18	21	27	21	17
	0	11	12	28	14	20	27	23	20
	+ 1000	15	17	37	20	23	30	25	21

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
14	36x36	36	146	0.04	0.10	0.17	0.27	0.39	0.54	0.70
		48	190	0.05	0.12	0.21	0.32	0.47	0.64	0.83
		60	235	0.06	0.14	0.24	0.38	0.54	0.74	0.96
		72	280	0.07	0.15	0.27	0.43	0.62	0.84	1.10

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 1.07 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	57	55	53	50	52	57	59	53
	- 750	55	50	46	44	47	50	48	38
	+ 750	55	54	45	40	45	45	40	32
	+ 1250	57	59	55	49	51	55	54	46

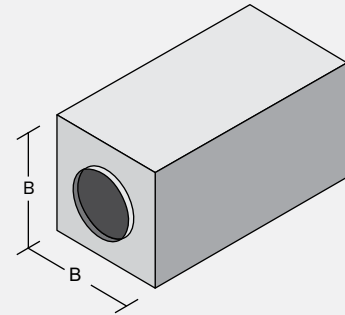
14 CNM-MV-F2

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

14 X CNM-MV-F2 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	8	9	13	20	14	11	11	9
	0	6	7	11	17	13	12	12	11
	+ 1000	8	9	14	20	15	13	14	13
48	- 1000	8	9	14	23	16	14	14	10
	0	7	7	12	20	15	15	15	12
	+ 1000	8	9	14	23	17	16	16	14
60	- 1000	9	10	14	25	18	17	17	12
	0	7	8	12	22	17	17	18	13
	+ 1000	9	10	14	26	19	19	19	15
72	- 1000	9	10	15	28	20	19	19	13
	0	8	9	13	25	19	20	21	14
	+ 1000	9	10	15	29	21	21	22	16

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
14	24x24	36	97	0.04	0.09	0.16	0.25	0.36	0.49	0.64
		48	128	0.05	0.10	0.18	0.28	0.41	0.56	0.73
		60	158	0.05	0.11	0.20	0.32	0.46	0.62	0.81
		72	189	0.06	0.13	0.22	0.35	0.51	0.69	0.90

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 1.07 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	56	56	53	50	53	57	59	53
	- 750	55	50	45	44	48	50	48	39
	+ 750	56	55	46	39	45	44	39	31
	+ 1250	58	59	55	48	51	54	53	45

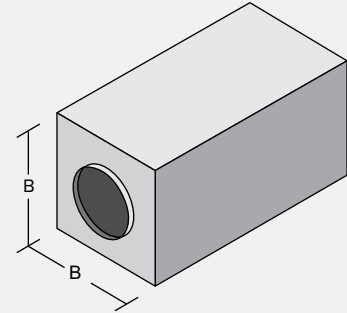
16 CNM-MV-F1

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

16 X CNM-MV-F1 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	7	8	23	8	9	11	8	3
	0	5	8	20	6	10	13	9	7
	+ 1000	6	8	21	7	10	13	10	7
48	- 1000	9	10	27	9	13	15	11	7
	0	8	9	22	8	15	17	13	10
	+ 1000	9	10	26	10	15	18	14	11
60	- 1000	10	12	31	11	17	20	15	12
	0	9	10	24	9	20	22	17	13
	+ 1000	12	13	32	13	20	24	18	15
72	- 1000	12	13	35	12	21	24	19	16
	0	10	11	25	11	24	26	21	16
	+ 1000	14	16	37	17	25	29	22	19

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
16	36x36	36	152	0.03	0.06	0.11	0.17	0.25	0.33	0.44
		48	198	0.03	0.08	0.14	0.21	0.31	0.42	0.55
		60	244	0.04	0.09	0.17	0.26	0.37	0.51	0.66
		72	290	0.05	0.11	0.19	0.30	0.44	0.59	0.78

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 1.40 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	58	53	51	49	56	58	57	50
	- 750	58	46	42	43	49	46	41	32
	+ 750	63	58	54	47	51	49	48	38
	+ 1250	61	63	60	52	56	57	57	51

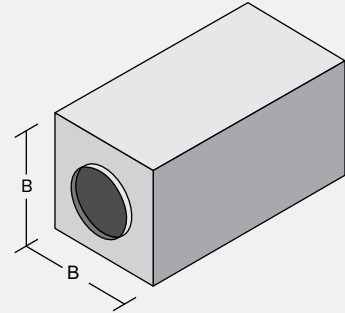
16 CNM-MV-F2

Circular No-Media
Medium velocity silencer
(<1250 fpm)

How to Specify Example:

16 X CNM-MV-F2 X 72

↑ Duct Connection Size ↑ Silencer Model ↑ Silencer Length



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)

- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	16Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1000	5	9	14	19	14	10	10	7
	0	4	7	13	15	15	11	11	8
	+ 1000	8	9	14	19	16	12	12	10
48	- 1000	6	9	13	20	15	12	12	7
	0	4	7	13	16	16	13	14	8
	+ 1000	6	9	13	20	16	14	15	11
60	- 1000	8	8	12	20	15	13	15	8
	0	5	7	12	17	16	15	17	8
	+ 1000	6	8	12	21	16	15	18	11
72	- 1000	7	8	12	21	15	15	18	8
	0	6	7	12	18	17	17	19	9
	+ 1000	6	7	12	22	16	17	20	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				500	750	1000	1250	1500	1750	2000
16	24x24	36	102	0.03	0.06	0.11	0.17	0.24	0.33	0.43
		48	133	0.03	0.07	0.12	0.19	0.28	0.38	0.49
		60	166	0.03	0.08	0.14	0.22	0.31	0.43	0.56
		72	198	0.04	0.09	0.16	0.24	0.35	0.48	0.62

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 1.40 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1250	59	53	52	49	55	57	56	49
	- 750	58	46	42	42	48	46	40	31
	+ 750	62	58	53	48	51	50	49	40
	+ 1250	61	63	60	53	56	58	58	52