

## 8 CENM-MV-F1

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

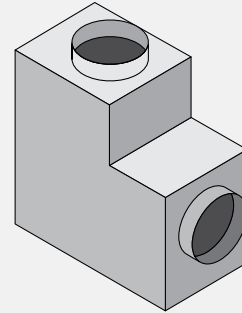
How to Specify Example:

8 X CENM-MV-F1 X 42

↑  
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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
42	- 1750	15	22	36	18	17	16	11	9
	0	14	15	34	14	13	14	12	10
	+ 1750	11	19	38	18	16	17	13	11
54	- 1750	15	23	40	20	18	17	13	11
	0	15	17	37	15	14	16	14	12
	+ 1750	12	21	39	20	19	19	15	13
66	- 1750	15	23	44	22	20	19	15	13
	0	16	18	40	16	15	18	16	14
	+ 1750	13	23	41	23	21	22	18	15
78	- 1750	15	14	48	23	21	20	17	15
	0	16	20	44	17	16	20	18	16
	+ 1750	14	16	43	25	23	24	21	17

### 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.)						
				750	1000	1250	1500	1750	2000	2250
8	30x30	42	124	0.04	0.08	0.12	0.17	0.23	0.31	0.39
		54	153	0.05	0.08	0.13	0.19	0.25	0.33	0.42
		66	182	0.05	0.09	0.14	0.20	0.27	0.36	0.45
		78	210	0.05	0.10	0.15	0.21	0.29	0.38	0.48

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	55	50	47	46	46	46	43	40
	- 1250	54	48	42	41	39	37	32	36
	+ 1250	54	52	45	41	39	37	31	33
	+ 1750	57	57	52	47	44	46	43	39

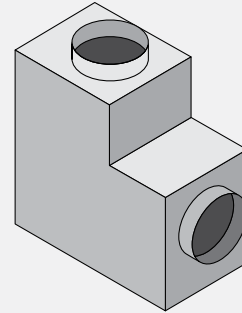
## 8 CENM-MV-F2

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

How to Specify Example:

8 X CENM-MV-F2 X 52

↑ 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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
52	- 1750	15	17	30	28	16	14	11	9
	0	13	13	30	20	12	12	12	10
	+ 1750	12	16	32	27	18	16	14	12
64	- 1750	16	20	33	31	19	17	13	10
	0	15	16	31	22	14	15	15	13
	+ 1750	12	20	34	31	20	19	16	13
76	- 1750	16	23	36	35	21	19	14	10
	0	17	19	31	25	15	18	17	15
	+ 1750	13	23	36	36	22	22	18	15
88	- 1750	17	25	39	38	24	22	15	11
	0	18	22	32	28	17	21	19	17
	+ 1750	14	26	38	41	25	25	21	17

### 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.)						
				750	1000	1250	1500	1750	2000	2250
8	20x20	52	75	0.04	0.07	0.11	0.16	0.22	0.29	0.37
		64	94	0.04	0.08	0.12	0.18	0.24	0.32	0.40
		76	112	0.05	0.09	0.14	0.20	0.27	0.35	0.44
		88	130	0.05	0.09	0.15	0.21	0.29	0.38	0.47

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	53	49	46	47	48	51	47	36
	- 1250	49	43	38	41	42	42	33	32
	+ 1250	51	47	42	40	41	42	32	29
	+ 1750	58	56	51	47	47	52	48	37

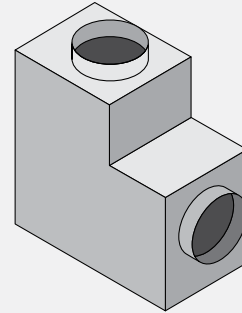
## 10 CENM-MV-F1

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

How to Specify Example:

10 X CENM-MV-F1 X 42

↑ 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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
42	- 1750	15	20	32	17	16	14	10	9
	0	13	13	29	13	12	13	10	9
	+ 1750	12	18	33	17	16	15	11	10
54	- 1750	15	20	37	19	17	16	12	10
	0	14	14	33	13	13	15	12	11
	+ 1750	13	19	37	19	18	17	14	12
66	- 1750	15	20	43	21	19	18	14	12
	0	14	15	37	14	13	16	15	12
	+ 1750	13	20	41	21	19	20	17	13
78	- 1750	15	21	48	22	20	20	16	13
	0	15	16	42	15	14	18	17	14
	+ 1750	13	21	44	23	21	22	19	15

### 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.)						
				750	1000	1250	1500	1750	2000	2250
10	30x30	42	125	0.05	0.09	0.14	0.20	0.27	0.35	0.45
		54	156	0.05	0.09	0.15	0.21	0.29	0.38	0.48
		66	185	0.06	0.10	0.16	0.22	0.30	0.40	0.50
		78	215	0.06	0.11	0.16	0.24	0.32	0.42	0.53

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	55	52	49	47	47	48	46	40
	- 1250	54	48	44	41	40	39	34	34
	+ 1250	54	53	46	41	40	40	34	32
	+ 1750	58	58	54	47	46	49	47	40

## 10 CENM-MV-F2

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

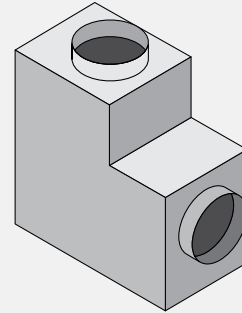
How to Specify Example:

10 × CENM-MV-F2 × 52

↑  
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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
52	- 1750	13	15	26	29	16	14	11	9
	0	10	11	24	21	12	12	11	10
	+ 1750	11	14	27	29	17	14	12	10
64	- 1750	15	17	29	32	18	16	12	10
	0	12	13	25	24	13	14	12	11
	+ 1750	11	17	29	33	19	17	14	12
76	- 1750	16	20	33	35	21	18	13	11
	0	14	16	27	29	15	16	14	13
	+ 1750	12	20	32	39	22	19	16	14
88	- 1750	17	22	36	37	23	20	15	12
	0	15	18	28	29	17	19	16	14
	+ 1750	13	22	34	40	24	21	18	15

### 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.)						
				750	1000	1250	1500	1750	2000	2250
10	20x20	52	78	0.05	0.08	0.13	0.19	0.26	0.34	0.42
		64	97	0.05	0.09	0.14	0.21	0.28	0.37	0.47
		76	115	0.06	0.10	0.16	0.23	0.31	0.40	0.51
		88	134	0.06	0.11	0.17	0.25	0.33	0.44	0.55

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	54	51	47	48	48	51	48	38
	- 1250	51	46	40	42	42	42	35	32
	+ 1250	51	49	43	40	42	44	36	34
	+ 1750	57	57	52	47	48	53	50	41

## 12 CENM-MV-F1

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

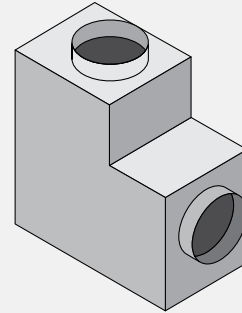
How to Specify Example:

12 X CENM-MV-F1 X 42

↑  
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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
42	- 1750	15	17	28	16	15	13	9	10
	0	13	12	24	12	12	11	8	8
	+ 1750	14	17	29	17	16	13	9	9
54	- 1750	15	17	35	18	17	15	11	10
	0	13	12	29	12	12	13	11	10
	+ 1750	13	16	35	19	7	15	12	11
66	- 1750	14	17	41	20	18	17	13	11
	0	13	12	35	12	12	15	14	11
	+ 1750	13	16	40	20	17	18	15	12
78	- 1750	14	18	48	21	19	19	16	11
	0	13	12	40	12	12	17	16	12
	+ 1750	12	16	45	21	19	20	18	14

### 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.)						
				750	1000	1250	1500	1750	2000	2250
12	30x30	42	128	0.06	0.10	0.16	0.23	0.31	0.40	0.51
		54	158	0.06	0.11	0.16	0.24	0.32	0.42	0.53
		66	188	0.06	0.11	0.17	0.25	0.34	0.44	0.56
		78	219	0.06	0.12	0.18	0.26	0.35	0.46	0.58

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	56	54	51	48	48	51	49	40
	- 1250	54	49	45	42	41	42	36	31
	+ 1250	56	53	47	41	42	43	36	30
	+ 1750	28	59	56	48	48	52	51	41

## 12 CENM-MV-F2

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

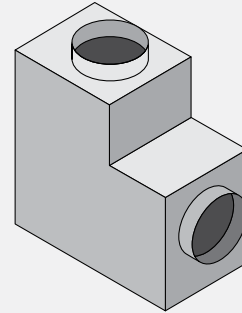
How to Specify Example:

12 × CENM-MV-F2 × 52

↑  
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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
52	- 1750	12	12	22	31	16	14	10	9
	0	8	9	18	23	12	11	9	9
	+ 1750	9	11	21	31	16	13	10	9
64	- 1750	14	15	25	33	18	15	11	10
	0	9	11	20	25	13	13	10	10
	+ 1750	10	14	24	34	19	15	12	11
76	- 1750	15	17	29	35	20	16	13	11
	0	11	13	22	27	15	15	12	11
	+ 1750	12	16	27	36	21	17	13	12
88	- 1750	16	19	32	37	22	18	14	13
	0	12	15	24	29	17	16	13	11
	+ 1750	13	18	30	39	23	18	15	13

### 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.)						
				750	1000	1250	1500	1750	2000	2250
12	20x20	52	80	0.05	0.10	0.15	0.21	0.29	0.38	0.48
		64	99	0.06	0.11	0.16	0.24	0.32	0.42	0.53
		76	119	0.06	0.12	0.18	0.26	0.35	0.46	0.58
		88	138	0.07	0.13	0.20	0.28	0.38	0.50	0.63

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	55	53	49	48	48	51	49	40
	- 1250	54	49	43	42	42	43	36	33
	+ 1250	51	51	45	41	42	45	39	38
	+ 1750	56	58	52	47	48	54	52	45

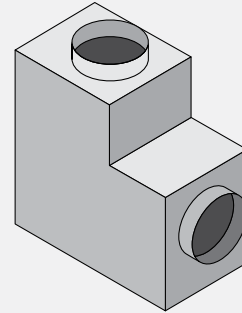
## 14 CENM-MV-F1

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

How to Specify Example:

14 X CENM-MV-F1 X 36

↑ 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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1750	11	18	25	15	15	11	7	7
	0	10	13	20	10	11	10	7	7
	+ 1750	11	17	25	15	15	11	8	7
48	- 1750	12	19	32	18	16	13	8	7
	0	10	13	26	12	12	11	9	8
	+ 1750	12	18	31	17	16	13	10	9
60	- 1750	13	20	39	20	18	15	10	8
	0	11	14	31	14	13	13	11	9
	+ 1750	13	19	38	20	18	15	12	10
72	- 1750	14	20	47	23	19	16	12	9
	0	11	14	36	15	14	14	12	11
	+ 1750	14	19	45	22	19	17	14	11

### 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.)						
				750	1000	1250	1500	1750	2000	2250
14	36x36	36	164	0.06	0.10	0.16	0.23	0.31	0.40	0.51
		48	202	0.06	0.10	0.16	0.23	0.32	0.41	0.52
		60	241	0.06	0.11	0.17	0.24	0.32	0.42	0.54
		72	279	0.06	0.11	0.17	0.24	0.33	0.43	0.55

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	58	55	54	52	52	56	55	46
	- 1250	55	51	48	48	46	47	43	37
	+ 1250	55	55	48	48	43	45	39	33
	+ 1750	60	61	57	57	51	55	54	46

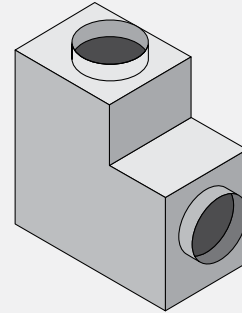
## 14 CENM-MV-F2

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

How to Specify Example:

14 × CENM-MV-F2 × 48

↑ 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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
48	- 1750	9	11	21	25	16	12	7	7
	0	6	8	17	17	11	10	8	7
	+ 1750	8	11	21	24	16	12	9	7
60	- 1750	11	13	24	26	17	13	9	8
	0	9	10	19	19	12	12	9	9
	+ 1750	10	13	23	26	17	14	11	9
72	- 1750	14	16	27	28	18	15	10	9
	0	11	11	21	21	13	13	11	10
	+ 1750	12	15	26	27	18	15	12	10
84	- 1750	16	18	31	29	19	17	12	10
	0	13	13	23	23	15	15	12	12
	+ 1750	14	17	28	29	19	17	14	11

### 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.)						
				750	1000	1250	1500	1750	2000	2250
14	24x24	48	100	0.06	0.10	0.16	0.23	0.31	0.40	0.51
		60	124	0.06	0.11	0.18	0.26	0.35	0.46	0.58
		72	148	0.07	0.13	0.20	0.29	0.39	0.51	0.65
		84	172	0.08	0.14	0.22	0.32	0.43	0.56	0.71

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	58	56	52	50	51	54	53	45
	- 1250	56	52	46	44	46	47	43	39
	+ 1250	55	55	47	43	45	48	43	40
	+ 1750	59	62	55	49	51	56	56	49



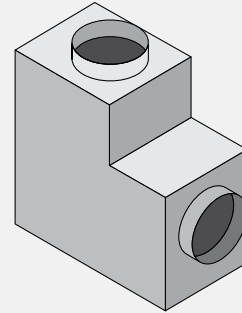
## 16 CENM-MV-F1

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

How to Specify Example:

16 X CENM-MV-F1 X 36

↑ 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](#).

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 1750	8	19	21	14	14	9	4	4
	0	7	14	16	9	10	8	6	5
	+ 1750	8	18	20	13	13	10	6	6
48	- 1750	10	20	29	18	16	11	5	5
	0	8	14	22	12	12	9	7	7
	+ 1750	10	20	28	16	15	11	7	7
60	- 1750	12	22	38	21	18	12	7	6
	0	9	15	28	15	14	10	8	8
	+ 1750	13	21	37	20	17	12	8	8
72	- 1750	14	23	46	24	19	13	8	7
	0	10	16	33	18	16	11	9	10
	+ 1750	15	23	45	23	19	13	9	8

### 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.)						
				750	1000	1250	1500	1750	2000	2250
16	36x36	36	167	0.06	0.10	0.16	0.23	0.31	0.40	0.51
		48	205	0.06	0.10	0.16	0.23	0.31	0.41	0.51
		60	244	0.06	0.10	0.16	0.23	0.31	0.41	0.52
		72	283	0.06	0.10	0.16	0.23	0.31	0.41	0.52

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	62	59	59	59	62	66	67	59
	- 1250	57	54	52	53	55	57	57	48
	+ 1250	60	57	49	46	49	51	46	38
	+ 1750	64	66	58	56	57	61	60	55

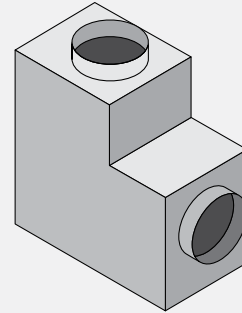
## 16 CENM-MV-F2

Circular Elbow No-Media  
Medium velocity silencer  
(<1750 fpm)

How to Specify Example:

16 × CENM-MV-F2 × 48

↑ 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](#).

Length (in.)	Face Velocity (ft. per min)	16Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
48	- 1750	6	10	21	19	16	10	5	5
	0	5	8	17	11	11	9	7	6
	+ 1750	6	10	20	16	15	11	8	5
60	- 1750	9	12	23	20	16	12	6	6
	0	8	9	19	13	11	11	8	8
	+ 1750	9	12	22	17	15	13	9	7
72	- 1750	13	15	26	20	17	14	8	7
	0	11	10	20	15	12	12	10	10
	+ 1750	13	13	24	18	15	14	11	8
84	- 1750	17	17	29	21	17	16	10	8
	0	14	11	22	16	13	14	11	12
	+ 1750	16	15	27	19	15	16	13	9

### 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.)						
				750	1000	1250	1500	1750	2000	2250
16	24x24	48	102	0.06	0.11	0.16	0.24	0.32	0.42	0.53
		60	127	0.07	0.12	0.19	0.28	0.38	0.49	0.62
		72	152	0.08	0.14	0.22	0.31	0.43	0.56	0.71
		84	177	0.09	0.16	0.25	0.35	0.48	0.63	0.80

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 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
All	- 1750	62	58	53	57	60	62	55	
	- 1250	59	54	54	53	56	56	50	
	+ 1250	62	65	65	46	51	54	52	45
	+ 1750	65	70	70	53	57	61	64	56