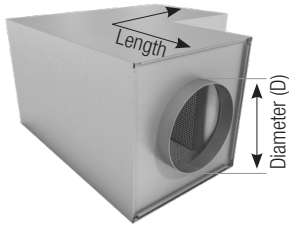


# PECL/PECM/PECH

## Circular Elbow Silencer Packless



## PERFORMANCE DATA

**Geometry:** L  
**Silencer Casing:** Standard  
**Silencer Media:** None

### Dynamic Insertion Loss (DIL)

Diameter (in.)	Length (in.)	Weight (lbs)	Face Velocity (FPM)	Pressure Drop (in. w.g.)	Octave Band Dynamic Insertion Loss (dB)							
					63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	40	52	+500	0.06	10	10	27	20	15	13	11	8
			0	0	9	10	26	18	15	13	11	7
			-500	0.06	10	13	25	18	15	13	11	8
	64	86	+500	0.06	18	13	26	24	19	18	15	13
			0	0	18	12	28	24	19	18	16	13
			-500	0.06	18	13	26	24	19	18	15	13
12	40	54	+500	0.06	10	6	21	29	16	12	10	6
			0	0	11	7	20	28	16	12	11	9
			-500	0.06	9	7	16	24	15	12	10	9
	64	92	+500	0.07	15	9	22	28	17	14	12	10
			0	0	14	8	22	28	17	14	13	11
			-500	0.07	14	9	19	27	17	14	12	10
16	40	58	+500	0.08	7	7	15	20	16	11	9	7
			0	0	6	5	13	18	14	10	9	7
			-500	0.08	6	8	13	20	14	10	8	7
	64	94	+500	0.07	10	7	17	26	19	13	12	10
			0	0	10	7	16	24	18	13	11	10
			-500	0.07	8	8	18	24	18	13	11	10

### Generated Noise (GN)

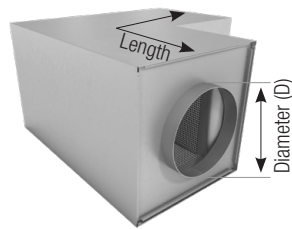
Diameter (in.)	Face Velocity (fpm)	Octave Band Generated Noise (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	+500	67	49	41	36	38	34	24	26
	0	30	25	20	15	10	10	10	10
	-500	68	48	32	27	26	21	20	27
12	+500	69	49	40	37	39	39	34	30
	0	30	25	20	15	10	10	10	10
	-500	63	43	34	33	34	32	30	31
16	+500	63	44	38	40	46	44	37	29
	0	30	25	20	15	10	10	10	10
	-500	61	42	37	38	39	37	28	25

#### Performance Notes:

1. Data tables are derived from test data in conformance with ASTM E477-20.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking.
5. For performance data specific to a configuration not cataloged, please use Price AIO Selection Software.
6. Standard casing dimensions are 20" wide x 20" high.

# PECL/PECM/PECH

## Circular Elbow Silencer Packless



## PERFORMANCE DATA

**Geometry:** M  
**Silencer Casing:** Standard  
**Silencer Media:** None

### Dynamic Insertion Loss (DIL)

Diameter (in.)	Length (in.)	Weight (lbs)	Face Velocity (FPM)	Pressure Drop (in. w.g.)	Octave Band Dynamic Insertion Loss (dB)							
					63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	40	52	+750	0.04	9	11	27	20	14	13	11	8
			0	0	9	10	25	17	13	12	10	8
			-750	0.04	6	12	26	18	14	13	10	8
	64	86	+750	0.04	16	12	27	25	18	17	14	12
			0	0	16	10	26	23	17	16	14	12
			-750	0.04	16	12	26	24	18	16	13	12
12	40	54	+750	0.07	10	4	19	31	16	13	9	7
			0	0	10	7	16	28	14	11	7	5
			-750	0.07	8	7	17	19	15	11	9	5
	64	92	+750	0.06	14	7	19	28	16	13	10	8
			0	0	13	6	17	27	15	13	10	8
			-750	0.06	17	7	18	27	16	12	10	8
16	40	58	+750	0.08	6	13	27	14	10	9	7	5
			0	0	6	11	24	13	10	8	7	5
			-750	0.08	9	14	28	14	10	8	7	5
	64	94	+750	0.07	12	14	31	17	14	13	10	8
			0	0	12	12	28	15	13	11	10	8
			-750	0.07	13	14	33	17	14	12	10	8

### Generated Noise(GN)

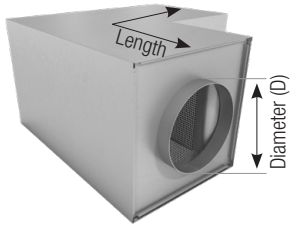
Diameter (in.)	Face Velocity (fpm)	Octave Band Generated Noise (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	+750	68	51	43	38	38	34	27	27
	0	30	25	20	15	10	10	10	10
	-750	68	49	34	30	28	23	21	27
12	+750	68	50	43	39	40	39	35	31
	0	30	25	20	15	10	10	10	10
	-750	64	46	37	35	36	33	30	30
16	+750	64	48	42	41	45	43	37	31
	0	30	25	20	15	10	10	10	10
	-750	63	46	40	40	40	37	31	29

#### Performance Notes:

1. Data tables are derived from test data in conformance with ASTM E477-20.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking.
5. For performance data specific to a configuration not cataloged, please use Price AIO Selection Software.
6. Standard casing dimensions are 20" wide x 20" high.

# PECL/PECM/PECH

## Circular Elbow Silencer Packless



## PERFORMANCE DATA

**Geometry:** H  
**Silencer Casing:** Standard  
**Silencer Media:** None

### Dynamic Insertion Loss (DIL)

Diameter (in.)	Length (in.)	Weight (lbs)	Face Velocity (FPM)	Pressure Drop (in. w.g.)	Octave Band Dynamic Insertion Loss (dB)							
					63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	40	52	+1000	0.04	8	12	25	20	13	13	9	8
			0	0	9	11	24	17	11	12	9	8
			-1000	0.04	5	11	25	18	13	12	9	7
	64	86	+1000	0.04	15	10	24	24	16	15	12	10
			0	0	14	9	24	23	14	15	12	10
			-1000	0.04	13	10	24	24	16	15	12	10
12	40	54	+1000	0.08	9	5	12	25	14	10	8	5
			0	0	8	3	9	21	11	8	7	5
			-1000	0.08	10	4	11	26	13	9	7	5
	64	92	+1000	0.08	13	6	14	25	14	10	8	6
			0	0	12	4	12	23	13	10	9	7
			-1000	0.08	12	5	14	25	14	11	9	7
16	40	58	+1000	0.08	6	4	10	15	12	8	6	4
			0	0	6	4	6	11	9	6	6	4
			-1000	0.08	6	4	9	14	10	7	6	4
	64	94	+1000	0.08	7	5	12	20	15	10	8	6
			0	0	7	4	11	17	13	9	8	6
			-1000	0.08	8	4	12	19	14	9	8	6

### Generated Noise(GN)

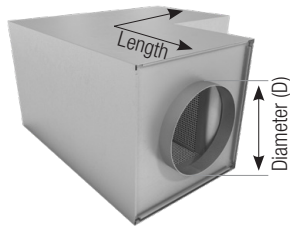
Diameter (in.)	Face Velocity (fpm)	Octave Band Generated Noise (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	+1000	68	52	45	39	37	34	29	28
	0	30	25	20	15	10	10	10	10
	-1000	68	49	36	32	30	25	23	27
12	+1000	67	51	45	40	40	38	35	32
	0	30	25	20	15	10	10	10	10
	-1000	64	47	39	36	37	33	31	30
16	+1000	65	51	45	42	44	42	38	33
	0	30	25	20	15	10	10	10	10
	-1000	64	50	42	41	40	38	33	31

#### Performance Notes:

1. Data tables are derived from test data in conformance with ASTM E477-20.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking.
5. For performance data specific to a configuration not cataloged, please use Price AIO Selection Software.
6. Standard casing dimensions are 20 in. wide x 20 in. high

# PECL/PECM/PECH

## Circular Elbow Silencer Packless



## PERFORMANCE DATA

**Geometry:** L  
**Silencer Casing:** Extended  
**Silencer Media:** None

### Dynamic Insertion Loss (DIL)

Diameter (in.)	Length (in.)	Weight (lbs)	Face Velocity (FPM)	Pressure Drop (in. w.g.)	Octave Band Dynamic Insertion Loss (dB)							
					63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	42	83	+500	0.08	17	18	36	20	20	16	12	11
			0	0	16	15	31	19	20	15	12	11
			-500	0.08	10	18	36	20	19	15	12	10
	66	135	+500	0.06	23	21	43	28	22	19	16	13
			0	0	22	19	43	27	21	18	16	13
			-500	0.06	21	20	42	27	21	19	15	13
12	42	87	+500	0.07	13	15	39	19	16	12	10	6
			0	0	13	15	39	19	15	12	11	9
			-500	0.07	11	15	36	20	15	13	10	8
	66	139	+500	0.07	22	17	40	22	18	16	13	10
			0	0	21	17	40	22	18	16	13	11
			-500	0.07	20	17	38	23	18	15	12	10
16	42	88	+500	0.08	6	14	28	14	11	11	9	7
			0	0	6	12	24	13	10	10	9	7
			-500	0.08	10	15	31	15	11	10	8	7
	66	144	+500	0.08	13	16	34	17	16	14	12	10
			0	0	12	14	30	16	15	13	12	10
			-500	0.08	14	16	35	18	15	14	12	9

### Generated Noise(GN)

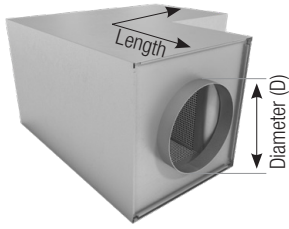
Diameter (in.)	Face Velocity (fpm)	Octave Band Generated Noise (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	+500	67	48	41	36	40	36	25	26
	0	30	25	20	15	10	10	10	10
	-500	68	46	32	26	26	20	20	27
12	+500	65	49	41	37	38	38	35	34
	0	30	25	20	15	10	10	10	10
	-500	62	42	34	33	35	32	30	32
16	+500	63	47	42	41	45	45	37	29
	0	30	25	20	15	10	10	10	10
	-500	62	41	36	37	39	37	28	26

#### Performance Notes:

1. Data tables are derived from test data in conformance with ASTM E477-20.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking.
5. For performance data specific to a configuration not cataloged, please use Price AIO Selection Software.
6. Extended casing dimensions are 30 in. wide x 30 in. high.

# PECL/PECM/PECH

## Circular Elbow Silencer Packless



## PERFORMANCE DATA

**Geometry:** M  
**Silencer Casing:** Extended  
**Silencer Media:** None

### Dynamic Insertion Loss (DIL)

Diameter (in.)	Length (in.)	Weight (lbs)	Face Velocity (FPM)	Pressure Drop (in. w.g.)	Octave Band Dynamic Insertion Loss (dB)							
					63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	42	83	+750	0.06	12	16	33	20	18	14	11	10
			0	0	11	14	30	18	16	13	10	9
			-750	0.06	8	18	37	19	17	14	10	9
	66	135	+750	0.05	21	20	41	26	20	18	14	12
			0	0	21	17	41	24	19	17	14	12
			-750	0.05	21	19	43	25	19	17	14	12
12	42	87	+750	0.07	11	17	37	19	12	11	9	7
			0	0	9	13	36	15	13	11	9	7
			-750	0.07	9	19	38	18	14	11	9	8
	66	139	+750	0.07	19	16	38	21	16	14	12	10
			0	0	19	15	36	19	16	14	12	9
			-750	0.07	20	17	38	21	17	14	11	9
16	42	88	+750	0.08	6	13	27	14	10	9	7	5
			0	0	6	11	24	13	10	8	7	5
			-750	0.08	9	14	28	14	10	8	7	5
	66	144	+750	0.07	12	14	31	17	14	13	10	8
			0	0	12	12	28	15	13	11	10	8
			-750	0.07	13	14	33	17	14	12	10	8

### Generated Noise(GN)

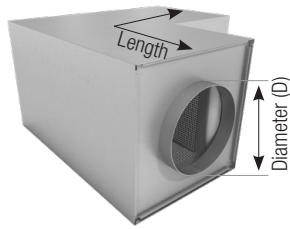
Diameter (in.)	Face Velocity (fpm)	Octave Band Generated Noise (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	+750	68	51	44	38	38	35	27	27
	0	30	25	20	15	10	10	10	10
	-750	68	48	34	29	29	23	21	27
12	+750	66	50	43	39	39	38	35	33
	0	30	25	20	15	10	10	10	10
	-750	63	45	37	35	36	33	30	31
16	+750	64	50	44	41	44	43	37	31
	0	30	25	20	15	10	10	10	10
	-750	63	46	39	39	40	37	31	29

#### Performance Notes:

1. Data tables are derived from test data in conformance with ASTM E477-20.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking.
5. For performance data specific to a configuration not cataloged, please use Price AIO Selection Software.
6. Extended casing dimensions are 30 in. wide x 30 in. high.

# PECL/PECM/PECH

## Circular Elbow Silencer Packless



## PERFORMANCE DATA

**Geometry:** H  
**Silencer Casing:** Extended  
**Silencer Media:** None

### Dynamic Insertion Loss (DIL)

Diameter (in.)	Length (in.)	Weight (lbs)	Face Velocity (FPM)	Pressure Drop (in. w.g.)	Octave Band Dynamic Insertion Loss (dB)							
					63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	42	83	+1000	0.03	7	12	27	19	14	12	9	8
			0	0	6	13	29	16	13	11	8	7
			-1000	0.03	6	14	36	18	13	12	8	7
	66	135	+1000	0.03	19	17	39	23	17	16	12	11
			0	0	19	16	39	21	17	15	12	11
			-1000	0.03	20	18	42	23	17	16	12	10
12	42	87	+1000	0.09	8	11	30	15	12	10	7	5
			0	0	9	10	27	15	12	10	8	5
			-1000	0.09	8	13	34	15	12	9	8	5
	66	139	+1000	0.08	17	12	33	19	15	13	10	8
			0	0	18	12	30	18	15	13	10	7
			-1000	0.08	18	13	35	18	15	13	10	7
16	42	88	+1000	0.08	4	12	25	13	8	7	6	4
			0	0	6	10	25	14	9	6	6	4
			-1000	0.08	7	12	24	13	9	7	6	4
	66	144	+1000	0.08	10	12	28	16	12	10	8	6
			0	0	11	11	27	13	12	9	8	6
			-1000	0.08	12	12	29	15	12	10	8	6

### Generated Noise(GN)

Diameter (in.)	Face Velocity (fpm)	Octave Band Generated Noise (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
8	+1000	69	53	45	39	37	35	29	28
	0	30	25	20	15	10	10	10	10
	-1000	68	49	36	32	30	25	23	27
12	+1000	67	52	45	39	39	38	35	32
	0	30	25	20	15	10	10	10	10
	-1000	64	47	39	36	36	33	30	30
16	+1000	65	52	45	41	43	42	37	33
	0	30	25	20	15	10	10	10	10
	-1000	63	50	42	40	40	37	33	31

#### Performance Notes:

1. Data tables are derived from test data in conformance with ASTM E477-20.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking.
5. For performance data specific to a configuration not cataloged, please use Price AIO Selection Software.
6. Extended casing dimensions are 30 in. wide x 30 in. high.