

Industrial Silencer, Heat Recovery and Catalytic Specialists

**Maxim Silencers
Exhaust Silencer
Catalog
2017**



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INDUSTRIAL CHAMBER SILENCER

15 to 20 dBA Noise Reduction

M11 OVERVIEW

The M11 is engineered for light industrial areas where background noise is relatively high and constant. The need for higher degrees of silencing should be minimal, keeps engine exhaust noise within existing levels.

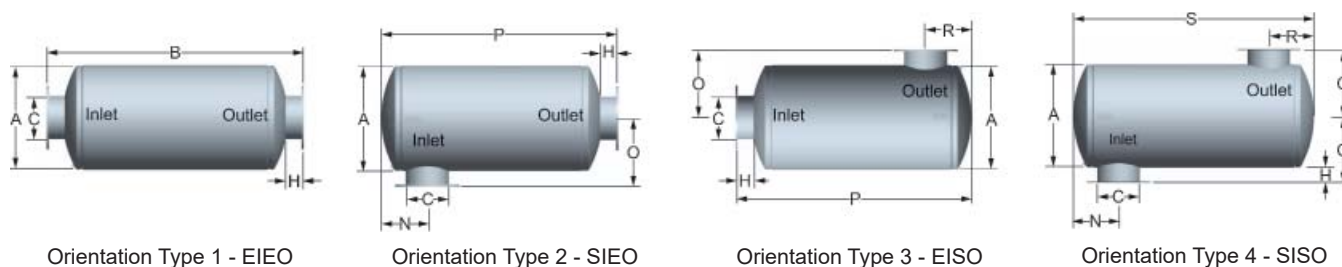
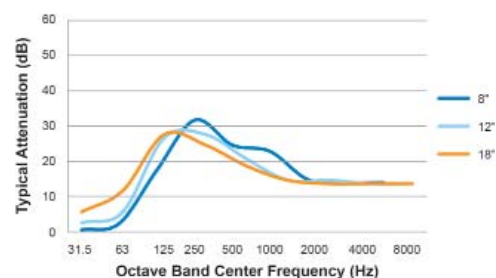
Typical application: Internal combustion engine exhausts in light industry areas with relatively constant background noise.

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



Orientation Type 1 - EIEO

Orientation Type 2 - SIEO

Orientation Type 3 - EISO

Orientation Type 4 - SISO

M11											
Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
1.5	6	20	3		6	17	3		14	3	10
2	6	20	3.5		6	17	3.5		14	3	11
2.5	7	20	4		6.5	17	4		14	3	15
3	8	24	4	- Consult Factory -	7	21	4	- Consult Factory -	18	3	20
3.5	9	26	4.5	- Consult Factory -	7.5	23	4.5	- Consult Factory -	20	3	26
4	10	30	5	- Consult Factory -	9	26	5	- Consult Factory -	22	4	40
5	12	34	6	- Consult Factory -	10	30	6	- Consult Factory -	26	4	51
6	14	41	6.5	- Consult Factory -	11	37	6.5	- Consult Factory -	33	4	75
8	16	48	8.5	- Consult Factory -	12	44	8.5	- Consult Factory -	40	4	108
10	18	50	9.5	- Consult Factory -	13	46	9.5	- Consult Factory -	42	4	138
12	22	60	11.5	- Consult Factory -	15	56	11.5	- Consult Factory -	52	4	203
14	30	70	13.5	- Consult Factory -	20	65	13.5	- Consult Factory -	60	5	394
16	36	80	16.5	- Consult Factory -	23	75	16.5	- Consult Factory -	70	5	535
18	40	90	17.5	- Consult Factory -	25	85	17.5	- Consult Factory -	80	5	858

Notes: Dimensions are in inches, weights are in pounds.

RESIDENTIAL CHAMBER SILENCER

20 to 25 dBA Noise Reduction

M22 OVERVIEW

The M22 is engineered for residential and light industrial areas where background noise is relatively high and constant. The need for higher degrees of silencing should be minimal, keeps engine exhaust noise within existing levels.

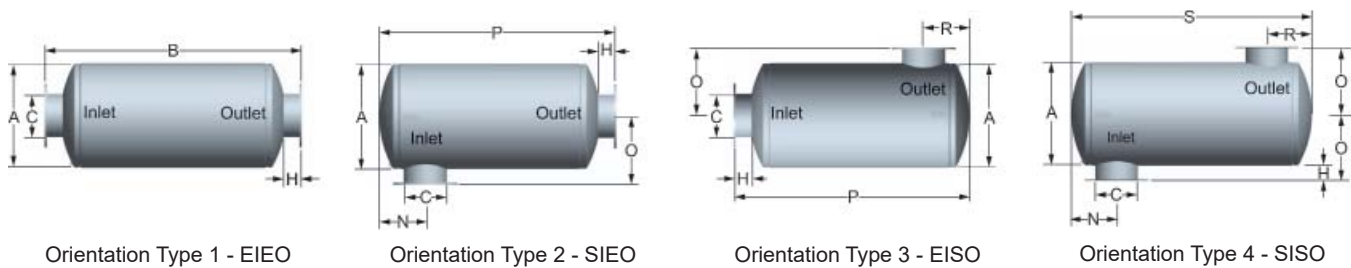
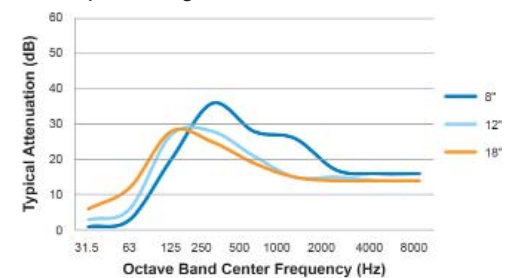
Typical application: Internal combustion engine exhausts in neighborhoods having high traffic or light industry with relatively constant background noise. Residents in these areas are typically accustomed to the noise or make some efforts to shield themselves from the ever present background noise.

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



Orientation Type 1 - EIEO

Orientation Type 2 - SIEO

Orientation Type 3 - EISO

Orientation Type 4 - SISO

M22

Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
4	14	36	6	11	11	32	6		28	4	60
5	16	43	7	15	12	39	7		35	4	80
6	18	49	7.5	18	13	45	7.5		41	4	102
8	22	59	9.5	23	15	55	9.5		51	4	170
10	26	64	11.5	26	17	60	11.5		56	4	270
12	30	77	13	32	19	73	13		69	4	415
14	36	83	15.5	34	23	78	15.5		73	5	550
16	40	90	16.5	36	25	85	16.5		80	5	784
18	45	96	18	39	27.5	91	18		86	5	931
20	50	109	20.5	47	30	104	20.5		99	5	1357
22	54	119	22.5	50	32	114	22.5		109	5	1764
24	60	125	24	56	35	120	24		115	5	2105
26	64	140	25.5	61	37	135	25.5		13	5	2477
28	68	155	26.5	69	39	150	26.5		145	5	2856
30	72	166	28	75	41	161	28		156	5	3259

- Consult Factory -

Notes: Dimensions are in inches, weights are in pounds.

CRITICAL CHAMBER SILENCER

25 to 32 dBA Noise Reduction

M32 OVERVIEW

The M32 is engineered for residential areas where background noise is present, but not objectionable. In these areas, installation of an M32 on an engine exhaust is intended to bring the noise level down to match the ambient noise levels.

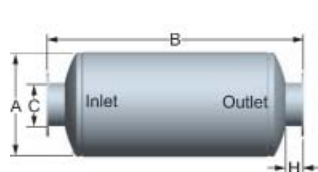
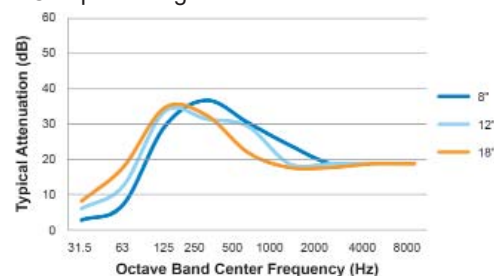
Typical application: Internal combustion engine exhausts in quieter residential area off main traffic areas and away from constant noise sources.

FEATURES

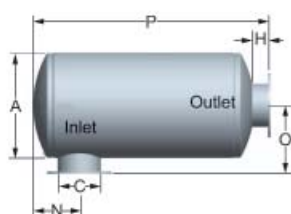
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

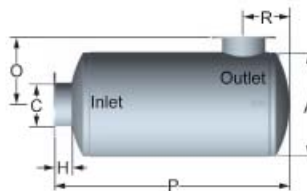
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



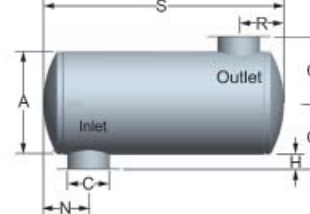
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO



Orientation Type 3 - EISO



Orientation Type 4 - SISO

M32

Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
1	6	20	3	5	6	17	3		14	3	10
1.5	9	30	4	11	7.5	27	4		24	3	23
2	9	30	4.5	11	7.5	27	4.5		24	3	24
2.5	10	34	5	12	8	31	5		28	3	33
3	12	38	5.5	15	9	35	5.5		32	3	50
3.5	14	42	6	16	10	39	6		36	3	65
4	14	48	6	17	11	44	6		40	4	75
5	16	57	7	23	12	53	7		49	4	100
6	18	63	8	25	13	59	8		55	4	126
8	22	74	9.5	32	15	70	9.5		66	4	203
10	26	87	11.5	39	17	83	11.5		79	4	352
12	30	102	13	45	19	98	13		94	4	519
14	36	109	15.5	46	23	104	15.5		99	5	674
16	40	119	16.5	51	25	114	16.5		109	5	973
18	45	127	18	56	27.5	122	18		117	5	1165
20	50	137	20.5	61	30	132	20.5		127	5	1656
22	54	149	22.5	67	32	144	22.5		139	5	2107
24	60	162	24	74	35	157	24		152	5	2566
26	64	183	25.5	85	37	178	25.5		173	5	3031
28	68	200	26.5	93	39	195	26.5		190	5	3468
30	72	216	28	102	41	211	28		206	5	3992

- Consult Factory -

Notes: Dimensions are in inches, weights are in pounds.

MAXIM
SILENCERS
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SUPER CRITICAL CHAMBER SILENCER

30 to 38 dBA Noise Reduction

M42 OVERVIEW

The M42 is engineered for quiet residential areas where background noise is relatively low, and super critical grade silencing is required.

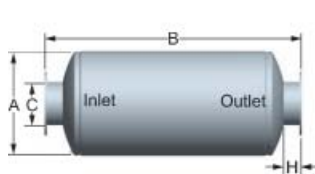
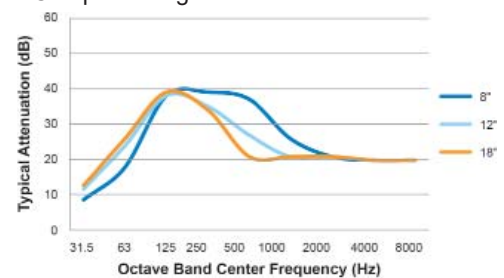
Typical application: Internal combustion engine exhausts in truly quiet residential areas where ambient noise levels are very low and the sound of birds singing and the soft hum of air conditioning units may be the noticeable noise features.

FEATURES

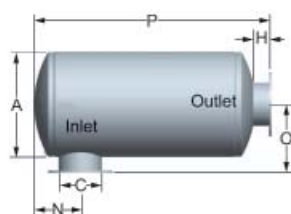
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

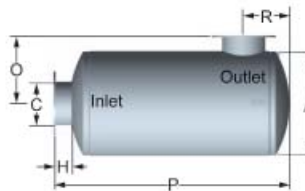
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



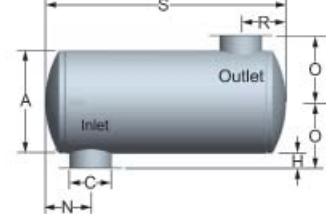
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO



Orientation Type 3 - EISO



Orientation Type 4 - SISO

M42

Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
4	16	51	6.5	18	12	47	6.5		43	4	90
5	18	62	7	24	13	58	7		54	4	120
6	22	69	8.5	26	15	65	8.5		61	4	175
8	26	82	10	32	17	78	10		74	4	304
10	30	102	12	45	19	98	12		94	4	484
12	36	112	15	51	22	108	15		104	4	659
14	40	120	15.5	52	25	115	15.5		110	5	930
16	45	126	17	55	27.5	121	17		116	5	1140
18	50	135	19.5	60	30	130	19.5		125	5	1623
20	54	149	21.5	67	32	144	21.5		139	5	2055
22	60	157	23	72	35	152	23		147	5	2464
24	64	164	24.5	75	37	159	24.5		154	5	2803
26	68	184	25.5	85	39	179	25.5		174	5	3282
28	72	205	27	97	41	200	27		195	5	3788
30	78	220	28.5	104	44	215	28.5		210	5	5293

- Consult Factory -

Notes: Dimensions are in inches, weights are in pounds.

HOSPITAL CHAMBER SILENCER

35 to 42 dBA Noise Reduction

M52 OVERVIEW

The M52 is engineered for reactive hospital grade noise reduction in heavy industrial areas where machinery operates continuously around a quiet locality. Suitable locations include hospitals, schools and quiet residential districts.

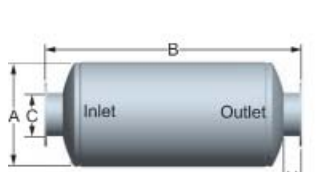
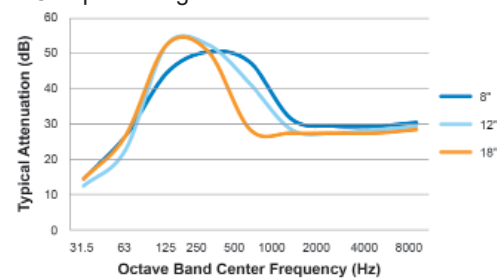
Typical application: Internal combustion engine exhausts in extremely low background noise areas, such as residential or hospital locations away from busy streets.

FEATURES

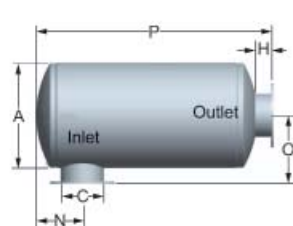
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Sizes 6 and under are two chambered, 8 and above are three chambers
- Drain connections

OPTIONS / ACCESSORIES

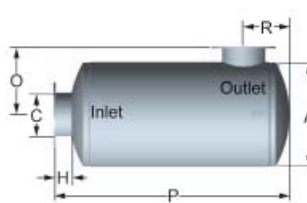
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



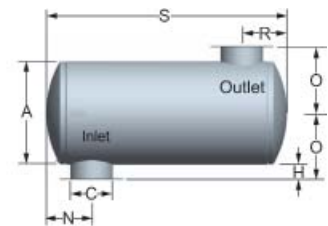
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO



Orientation Type 3 - EISO



Orientation Type 4 - SISO

M52

Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
4	18	62	7	26	13	58	7		54	4	177
5	22	74	9	32	15	70	9		66	4	271
6	26	85	11	38	17	81	11		77	4	342
8	30	103	12	26	19	99	12		95	4	548
10	36	118	14	32	22	114	14		110	4	783
12	36	130	14	36	22	126	14		122	4	870
14	40	145	17	37	25	140	17		135	5	1242
16	45	156	19	39	27.5	151	19		146	5	1543
18	50	171	21	44	30	166	21		161	5	2252
20	54	185	22	48	32	180	22		175	5	2818
22	60	199	24	51	35	194	24		189	5	3429
24	64	212	26	54	37	207	26		202	5	3916
26	68	235	27	60	39	230	27		222	5	4576
28	72	268	29	71	41	263	29		258	5	5390
30	78	278	32	73	44	273	32		268	5	7246

- Consult Factory -

Notes: Dimensions are in inches, weights are in pounds.

MAXIM
SILENCERS
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HOSPITAL PLUS CHAMBER SILENCER

35 to 50 dBA Noise Reduction

M62 OVERVIEW

The M62 is engineered for a high degree of silencing in areas requiring hospital plus grade noise reductions. The M62 is a reactive and absorptive silencer without resorting to multiple silencers in series or custom designed silencers.

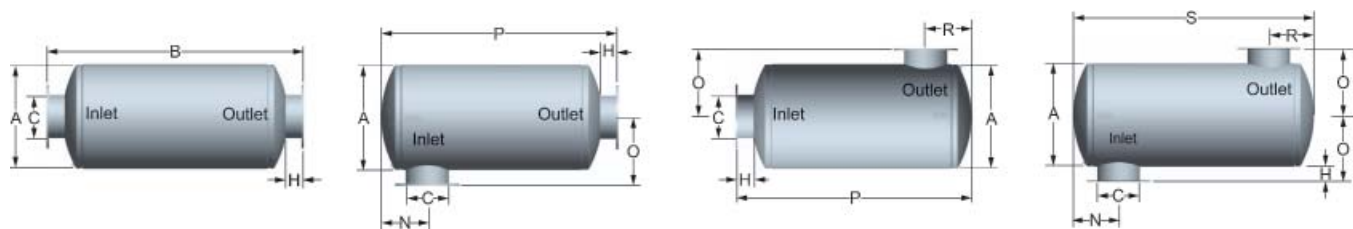
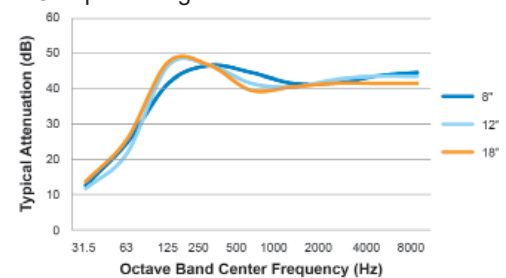
Typical application: Internal combustion engine exhausts in extremely low background noise areas, such as residential or hospital locations away from busy streets.

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Sizes 6 and under are two chambered, 8 and above are three chambers
- Drain connections

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple inlet types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



Orientation Type 1 - EIEO

Orientation Type 2 - SIEO

Orientation Type 3 - EISO

Orientation Type 4 - SISO

M62

Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
1.5	9	36	3.5	14	7.5	33	3.5		30	3	60
2	10	40	4.5	16	8	37	4.5		34	3	68
2.5	12	46	5.5	20	9	43	5.5		40	3	98
3	14	50	6	21	10	47	6		44	3	126
3.5	16	54	7	23	11	51	7		48	3	154
4	18	62	7	26	13	58	7		54	4	191
5	22	74	9	32	15	70	9		66	4	271
6	26	85	11	38	17	81	11		77	4	376
8	30	103	12	26	19	99	12		95	4	548
10	36	118	14	32	22	114	14		110	4	844
12	36	130	14	36	22	126	14		122	4	870
14	40	145	17	37	25	140	17		135	5	1359
16	45	156	19	39	27.5	151	19		146	5	1543
18	50	171	21	44	30	166	21		161	5	2417
20	54	185	22	48	32	180	22		175	5	2818
22	60	199	24	51	35	194	24		189	5	3590
24	64	212	26	54	37	207	26		202	5	3916
26	68	235	27	60	39	230	27		225	5	4770
28	72	268	29	71	41	263	29		258	5	5390
30	78	278	32	73	44	273	32		268	5	7679

- Consult Factory -



Notes: Dimensions are in inches, weights are in pounds.

EXTREME CHAMBER SILENCER

40 to 55 dBA Noise Reduction

M72 OVERVIEW

The M72 is engineered for areas requiring extreme grade noise reductions and is a reactive and absorptive silencer designed to achieve maximum attenuation as well as minimize radiated noise from breakout, without resorting to multiple silencers in series or custom designed silencers.

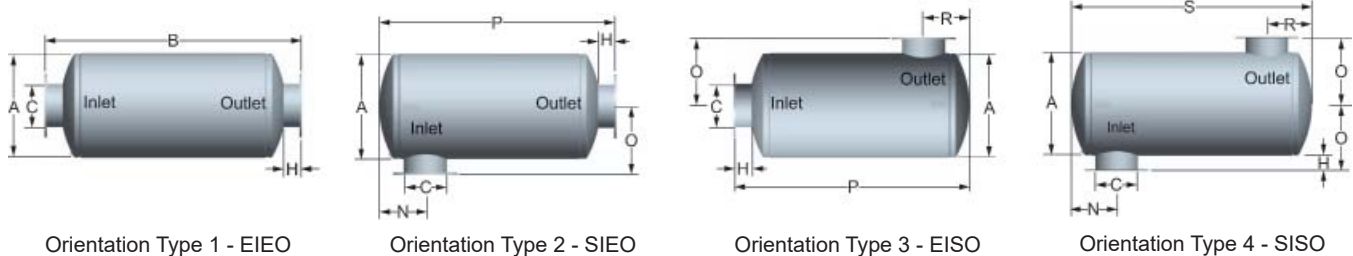
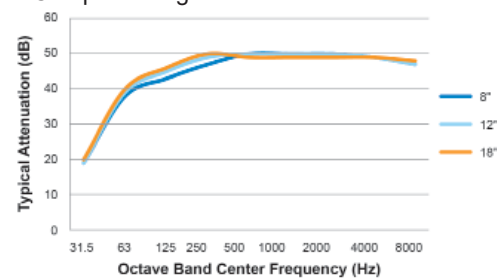
Typical application: Internal combustion engine exhausts in extremely low background noise areas, such as residential or hospital locations away from busy streets.

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Sizes 6 and under are two chambered, 8 and above are three chambers
- Drain connections

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



Orientation Type 1 - EIEO

Orientation Type 2 - SIEO

Orientation Type 3 - EISO

Orientation Type 4 - SISO

M72											
Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
1.5	12	60	5		9	57	5		54	3	188
2	12	64	6		9	61	6		58	3	204
2.5	14	70	7		10	67	7		64	3	264
3	16	74	7		11	71	7		68	3	329
3.5	18	78	8		12	75	8		72	3	389
4	22	84	8		15	80	8		76	4	498
5	26	97	10		17	93	10		89	4	698
6	30	110	12		19	106	12		102	4	944
8	36	134	13		22	130	13		126	4	1511
10	40	150	15		24	146	15		144	4	1910
12	40	158	15		24	154	15		150	4	2084
14	45	174	18		27.5	169	18		164	5	2549
16	50	194	21		30	189	21		184	5	3237
18	54	208	23		32	203	23		198	5	3944
20	60	226	25		35	221	25		216	5	5443
22	64	228	26		37	223	26		218	5	6006
24	68	233	27		39	228	27		223	5	6638
26	72	234	29		41	229	29		224	5	7196
28	78	244	30		44	239	30		234	5	9513
30	84	254	32		47	249	32		244	5	10807

Notes: Dimensions are in inches, weights are in pounds.



SUPER EXTREME CHAMBER SILENCER

45 to 60 dBA Noise Reduction

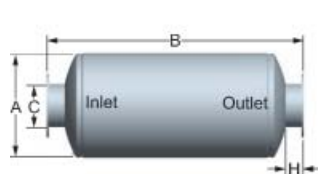
M82 OVERVIEW

The M82 is engineered for the highest degree of silencing in areas requiring super extreme grade noise reductions. The M82 is presently the top-of-the-line reactive and absorptive silencer designed to achieve maximum attenuation as well as minimize radiated noise from breakout, without resorting to multiple silencers in series or custom designed silencers.

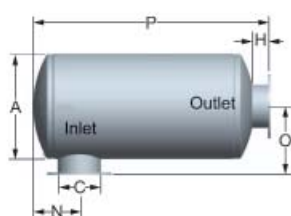
Typical application: Internal combustion engine exhausts in extremely low background noise areas, such as residential or hospital locations away from busy streets.

FEATURES

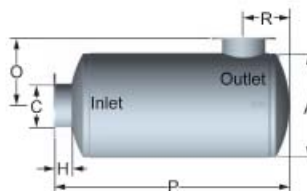
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Sizes 6 and under are two chambered, 8 and above are three chambers
- Drain connections



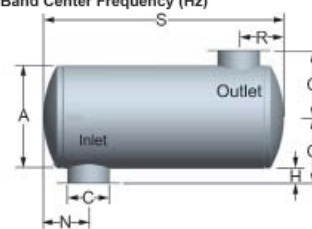
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO



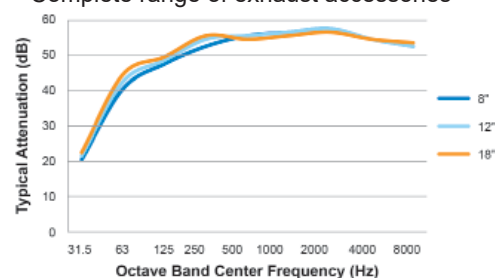
Orientation Type 3 - EISO



Orientation Type 4 - SISO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



M82											
Size / ØC	ØA	B	N Min	N Max	O	P	R Min	R Max	S	H	Est Wt
1.5	18	70	6		12	67	6		64	3	384
2	20	74	6		13	71	6		68	3	460
2.5	20	80	7		13	77	7		74	3	504
3	22	84	8		14	81	8		78	3	583
3.5	24	88	9		15	85	9		82	3	695
4	26	94	10		17	90	10		86	4	788
5	26	108	11	- Consult Factory -	17	104	11	- Consult Factory -	100	4	913
6	30	118	13	- Consult Factory -	19	114	13	- Consult Factory -	110	4	1172
8	36	134	14	- Consult Factory -	22	130	14	- Consult Factory -	126	4	1715
10	40	150	16	- Consult Factory -	24	146	16	- Consult Factory -	142	4	2164
12	40	158	16	- Consult Factory -	24	154	16	- Consult Factory -	150	4	2356
14	45	174	19	- Consult Factory -	27.5	169	19	- Consult Factory -	164	5	3017
16	50	194	22	- Consult Factory -	30	189	22	- Consult Factory -	184	5	3805
18	54	208	24	- Consult Factory -	32	203	24	- Consult Factory -	198	5	4502
20	60	226	26	- Consult Factory -	35	221	26	- Consult Factory -	216	5	6185
22	64	228	27	- Consult Factory -	37	223	27	- Consult Factory -	218	5	7086
24	68	233	28	- Consult Factory -	39	228	28	- Consult Factory -	223	5	7810
26	72	234	30	- Consult Factory -	41	229	30	- Consult Factory -	224	5	8419
28	78	244	31	- Consult Factory -	44	239	31	- Consult Factory -	234	5	11045
30	84	254	33	- Consult Factory -	47	249	33	- Consult Factory -	244	5	12545

Notes: Dimensions are in inches, weights are in pounds.



INDUSTRIAL SPARK ARRESTING CHAMBER SILENCER

12 to 20 dBA Noise Reduction

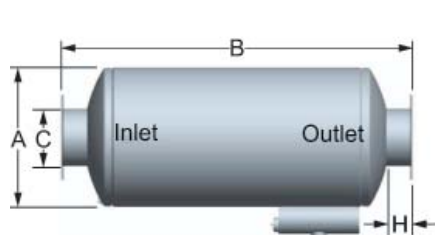
MSA10 OVERVIEW

The MSA10 silencer is engineered to provide a industrial grade attenuation with a highly efficient spark arrestor. Designed for use on the exhaust system of internal combustion engines where a fire hazard or dirt nuisance would exist from particles of carbon or ash in the exhaust stream.

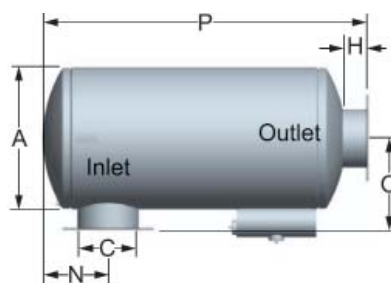
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connections



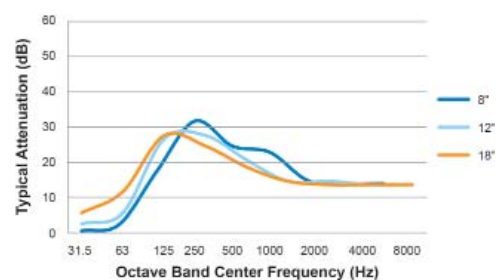
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MSA10								
Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
4	10	30	5	- Consult Factory -	9	26	4	40
5	12	34	6		10	30	4	51
6	14	41	6.5		11	37	4	75
8	16	48	8.5		12	44	4	108
10	18	50	9.5		13	46	4	138
12	22	60	11.5		15	56	4	203
14	30	70	13.5		20	65	5	394
16	36	80	16.5		23	75	5	535
18	40	90	17.5		25	85	5	858

Notes: Dimensions are in inches, weights are in pounds.

RESIDENTIAL SPARK ARRESTING CHAMBER SILENCER

20 to 25 dBA Noise Reduction

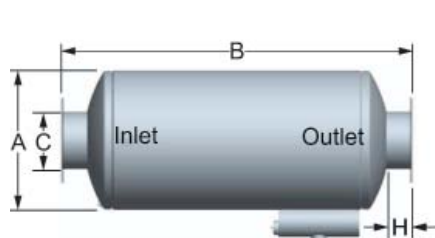
MSA11 OVERVIEW

The MSA11 silencer is engineered to provide a residential grade attenuation with a highly efficient spark arrestor. Designed for use on the exhaust system of internal combustion engines where a fire hazard or dirt nuisance would exist from particles of carbon or ash in the exhaust stream.

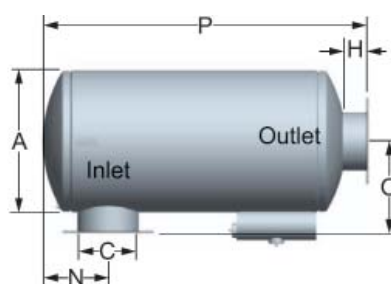
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Two chambers
- Drain connections



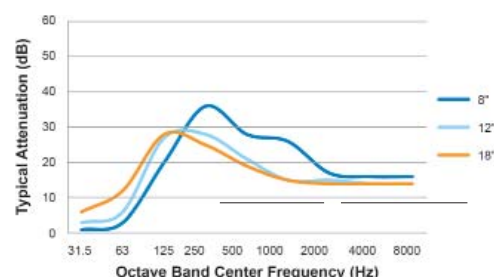
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MSA11								
Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
1.5	9	20	3.5		7.5	17	3	20
2	9	20	4		7.5	17	3	21
2.5	10	24	4.5		8	21	3	28
3	12	26	5		9	23	3	41
3.5	14	30	5.5		10	27	3	55
4	14	36	6		11	32	4	64
5	16	43	7		12	39	4	88
6	18	49	7.5		13	45	4	110
8	22	59	9.5		15	55	4	178
10	26	64	11.5		17	60	4	280
12	30	77	13		19	73	4	416
14	36	83	15.5		23	78	5	558
16	40	90	16.5		25	85	5	793
18	45	96	18		27.5	91	5	950
20	50	109	20.5		30	104	5	1392
22	54	119	22.5		32	114	5	1806
24	60	125	24		35	120	5	2187
26	64	140	25.5		37	135	5	2586
28	68	155	26.5		39	150	5	2984
30	72	166	28		41	161	5	3445

Notes: Dimensions are in inches, weights are in pounds.



CRITICAL SPARK ARRESTING CHAMBER SILENCER

25 to 32 dBA Noise Reduction

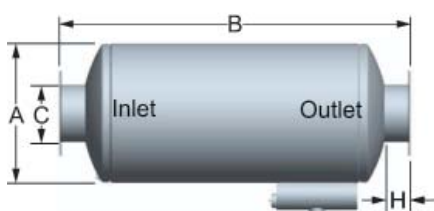
MSA22 OVERVIEW

The MSA22 silencer is engineered to provide a critical grade attenuation with a highly efficient spark arrestor. Designed for use on the exhaust system of internal combustion engines where a fire hazard or dirt nuisance would exist from particles of carbon or ash in the exhaust stream.

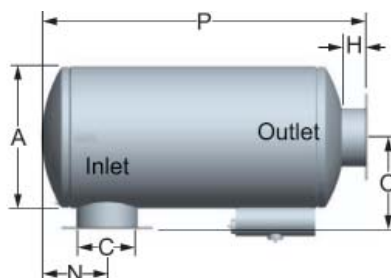
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Two chambers
- Drain connections



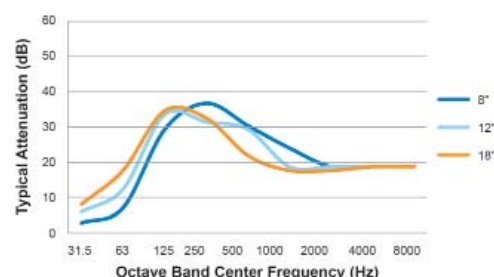
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MSA22								
Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
1.5	9	30	4		7.5	27	3	27
2	9	30	4.5		7.5	27	3	28
2.5	10	34	5		8	31	3	37
3	12	38	5.5		9	35	3	54
3.5	14	42	6		10	39	3	70
4	14	48	6		11	44	4	77
5	16	57	7		12	53	4	108
6	18	63	8		13	59	4	132
8	22	74	9.5		15	70	4	205
10	26	87	11.5		17	83	4	356
12	30	102	13		19	98	4	518
14	36	109	15.5		23	104	5	687
16	40	119	16.5		25	114	5	976
18	45	127	18		27.5	122	5	1169
20	50	137	20.5		30	132	5	1676
22	54	149	22.5		32	144	5	2127
24	60	162	24		35	157	5	2627
26	64	183	25.5		37	178	5	3106
28	68	200	26.5		39	195	5	3561
30	72	216	28		41	211	5	4140

Notes: Dimensions are in inches, weights are in pounds.

MAXIM
SILENCERS
MAXIM

SUPER CRITICAL SPARK ARRESTING CHAMBER SILENCER

30 to 38 dBA Noise Reduction

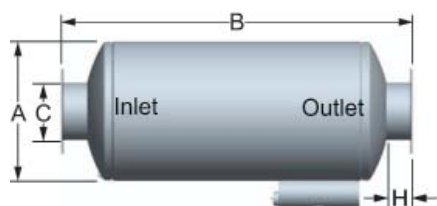
MSA33 OVERVIEW

The MSA33 silencer is engineered to provide a super critical grade attenuation with a highly efficient spark arrestor. Designed for use on the exhaust system of internal combustion engines where a fire hazard or dirt nuisance would exist from particles of carbon or ash in the exhaust stream. Great for quiet residential areas where background noise is relatively low and super critical grade silencing with a spark arresting feature is required

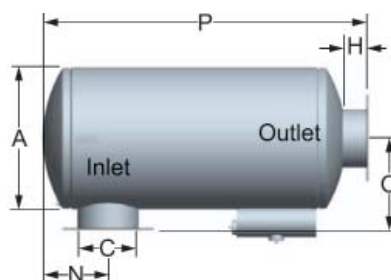
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connections



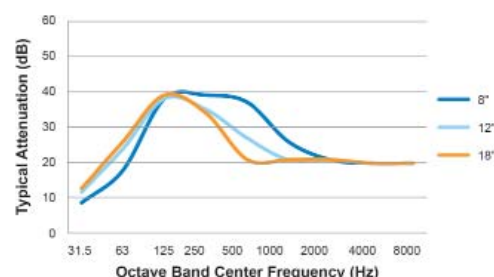
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MSA33								
Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
4	16	51	6.5		12	47	4	94
5	18	62	7		13	58	4	130
6	22	69	8.5		15	65	4	186
8	26	82	10		17	78	4	318
10	30	102	12		19	98	4	494
12	36	112	15		22	108	4	690
14	40	120	15.5		25	115	5	968
16	45	126	17		27.5	121	5	1155
18	50	135	19.5		30	130	5	1636
20	54	149	21.5		32	144	5	2086
22	60	157	23		35	152	5	2492
24	64	164	24.5		37	159	5	2831
26	68	184	25.5		39	179	5	3316
28	72	205	27		41	200	5	3821
30	78	220	28.5		44	215	5	5324

Notes: Dimensions are in inches, weights are in pounds.



HOSPITAL SPARK ARRESTING CHAMBER SILENCER

35 to 42 dBA Noise Reduction

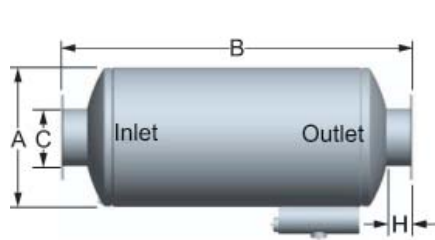
MSA44 OVERVIEW

The MSA44 silencer is engineered to provide a hospital grade attenuation with a highly efficient spark arrestor. Designed for use on the exhaust system of internal combustion engines where a fire hazard or dirt nuisance would exist from particles of carbon or ash in the exhaust stream. Suitable for use where background noise is extremely low, such as residential or hospital locations away from busy streets.

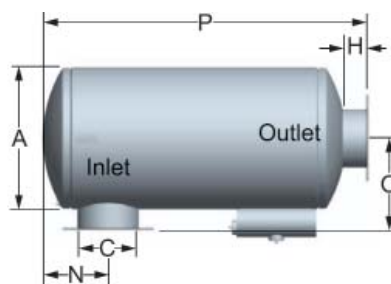
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Sizes 6 and under are two chambered, 8 and above are three chambers
- Drain connections



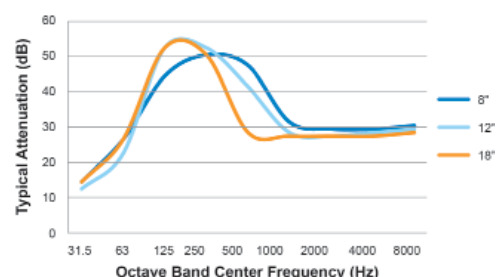
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MSA44								
Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
4	18	62	7		13	58	4	119
5	22	74	9		15	70	4	189
6	26	85	11		17	81	4	305
8	30	103	12		19	99	4	517
10	36	118	14		22	114	4	730
12	36	130	14		22	126	4	820
14	40	145	17		25	140	5	1188
16	45	156	19		27.5	151	5	1461
18	50	171	21		30	166	5	2111
20	54	185	22		32	180	5	2664
22	60	199	24		35	194	5	3237
24	64	212	26		37	207	5	3693
26	66	235	27		39	230	5	4313
28	72	268	29		41	263	5	5053
30	78	278	32		44	273	5	6866

Notes: Dimensions are in inches, weights are in pounds.

MAXIM
SILENCERS
MAXIM

HOSPITAL PLUS SPARK ARRESTING CHAMBER SILENCER

35 to 50 dBA Noise Reduction

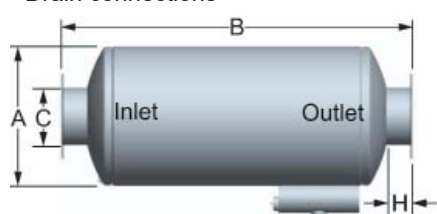
MSA55 OVERVIEW

The MSA55 silencer is engineered to provide the highest grade attenuation with a highly efficient spark arrestor. The MSA55 is presently the top-of-the-line reactive and absorptive spark arresting silencer without resorting to multiple silencers in series or custom designed silencers. Designed for use on the exhaust system of internal combustion engines where a fire hazard or dirt nuisance would exist from particles of carbon or ash in the exhaust stream. Suitable for use where background noise is extremely low, such as residential or hospital locations away from busy streets.

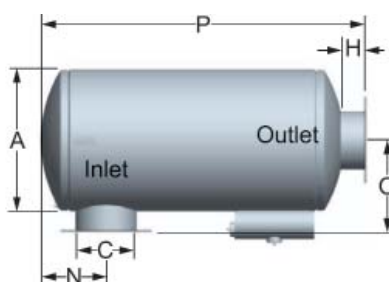
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Three chambers
- Drain connections



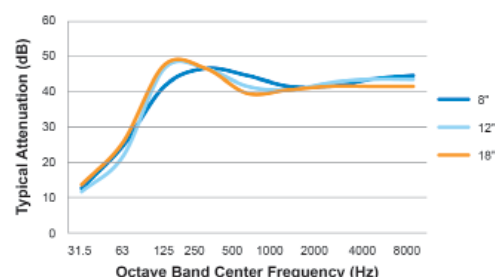
Orientation Type 1 - EIEO



Orientation Type 2 - SIEO

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MSA55								
Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
4	18	62	7		13	58	4	200
5	22	74	9		15	70	4	314
6	26	85	11		17	81	4	382
8	30	103	12		19	99	4	590
10	36	118	14		22	114	4	829
12	36	130	14		22	126	4	953
14	40	145	17		25	140	5	1345
16	45	156	19		27.5	151	5	1628
18	50	171	21		30	166	5	2371
20	54	185	22		32	180	5	2969
22	60	199	24		35	194	5	3562
24	64	212	26		37	207	5	4048
26	68	235	27		39	230	5	4737
28	72	268	29		41	263	5	5692
30	78	278	32		44	273	5	7573

Notes: Dimensions are in inches, weights are in pounds.



RESIDENTIAL LOW PRESSURE DROP/TURBO

20 to 25 dBA Noise Reduction

MT22 OVERVIEW

The MT22 silencer is engineered to provide a residential grade attenuation with a straight thru, low pressure design. Suitable in areas where background noise is relatively high and moderate silencing is needed, and back pressure requirements call for a low pressure drop silencer.

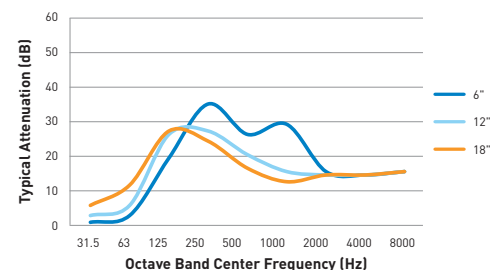
Typical Applications: Internal combustion engine intakes and exhausts, as well as turbo charged reciprocating engines with low allowable back pressure

FEATURES

- Advanced acoustical design
- All welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Two chambers
- Drain connections

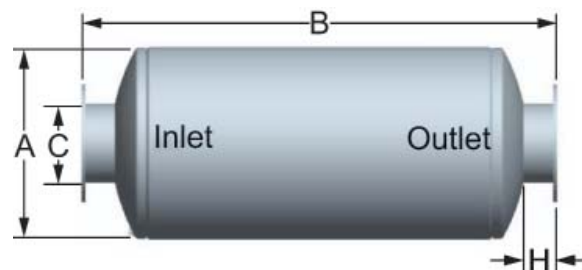
OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



MT22				
Size / ØC	ØA	B	H	Est Wt
4	14	36	4	64
5	16	43	4	87
6	18	49	4	109
8	22	59	4	181
10	26	64	4	290
12	30	77	4	440
14	36	83	5	593
16	40	90	5	813
18	45	96	5	963
20	50	109	5	1438
22	54	119	5	1845
24	60	125	5	2194
26	64	140	5	2573
28	68	155	5	2966
30	72	166	5	3381

Note: Dimensions are in inches, weights are in pounds.



CRITICAL LOW PRESSURE DROP/TURBO

25 to 32 dBA Noise Reduction

MT32 OVERVIEW

The MT32 silencer is a engineered to provide a critical grade attenuation with a straight thru, low pressure design. Suitable in areas where some background noise is always present and effective, but not complete silencing is needed, and back pressure requirements call for a low pressure drop silencer.

Typical Applications: Internal combustion engine intakes and exhausts, as well as turbo charged reciprocating engines with low allowable back pressure

FEATURES

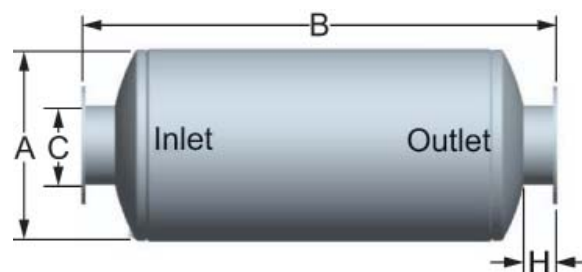
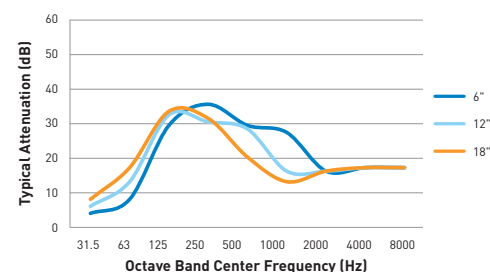
- Advanced acoustical design
- All welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Two chambers
- Drain connections

MT32				
Size / ØC	ØA	B	H	Est Wt
4	14	48	4	80
5	16	57	4	109
6	18	63	4	136
8	22	74	4	217
10	26	87	4	377
12	30	102	4	552
14	36	109	5	731
16	40	119	5	1013
18	45	127	5	1204
20	50	137	5	1754
22	54	149	5	2199
24	60	162	5	2660
26	64	183	5	3135
28	68	200	5	3589
30	72	216	5	4124

Note: Dimensions are in inches, weights are in pounds.

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



SUPER CRITICAL LOW PRESSURE DROP/TURBO

30 to 38 dBA Noise Reduction

MT42 OVERVIEW

The MT42 silencer is engineered to provide a super critical grade attenuation with a straight thru, low pressure design. Suitable in areas where ambient noise is relatively low, and back pressure requirements call for a low pressure drop silencer.

Typical Applications: Internal combustion engine intakes and exhausts, as well as turbo charged reciprocating engines with low allowable back pressure

FEATURES

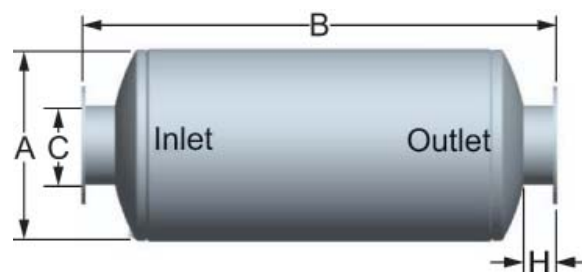
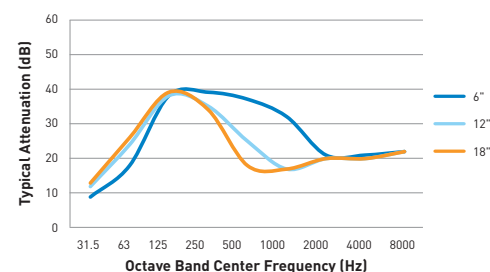
- Advanced acoustical design
- All welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Two chambers
- Drain connections

MT42				
Size / ØC	ØA	B	H	Est Wt
4	16	51	4	96
5	18	62	4	129
6	22	69	4	185
8	26	82	4	318
10	30	102	4	509
12	36	112	4	691
14	40	120	5	989
16	45	126	5	1182
18	50	135	5	1663
20	54	149	5	2156
22	60	157	5	2563
24	64	164	5	2911
26	68	184	5	3399
28	72	205	5	3921
30	78	220	5	5437

Note: Dimensions are in inches, weights are in pounds.

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



Orientation Type 1 - EIEO

HOSPITAL GRADE LOW PRESSURE DROP/TURBO

35 to 42 dBA Noise Reduction

MT52 OVERVIEW

The MT52 silencer is a engineered to provide a hospital grade attenuation with a straight thru, low pressure design. Suitable in areas where ambient noise is relatively low, and back pressure requirements call for a low pressure drop silencer.

Typical Applications: Internal combustion engine intakes and exhausts, as well as turbo charged reciprocating engines with low allowable back pressure

FEATURES

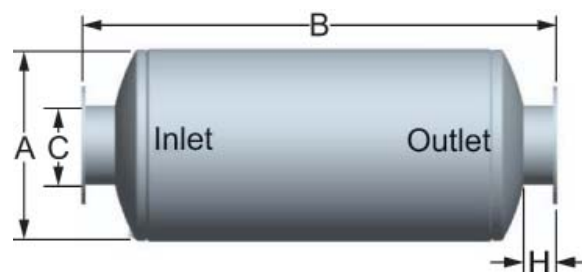
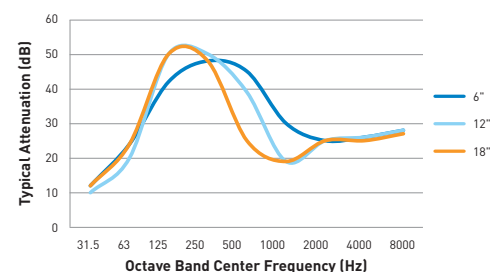
- Advanced acoustical design
- All welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Sizes 6 and under have two chambers, 8 and above have three chambers
- Drain connections

MT52				
Size / ØC	ØA	B	H	Est Wt
4	18	62	4	120
5	22	74	4	188
6	26	85	4	308
8	30	103	4	525
10	36	118	4	755
12	36	130	4	835
14	40	145	5	1235
16	45	156	5	1500
18	50	171	5	2151
20	54	185	5	2777
22	60	199	5	3351
24	64	212	5	3811
26	68	235	5	4451
28	72	268	5	5221
30	78	278	5	7051

Note: Dimensions are in inches, weights are in pounds.

OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and finishes available
- Complete range of exhaust accessories



Orientation Type 1 - EIEO

RESIDENTIAL LOW PROFILE PANCAKE CHAMBER

22 to 28 dBA Noise Reduction

MD22 OVERVIEW

The MD 22 is engineered to provide a residential grade attenuation while minimizing space usage. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Suitable for use where background noise is relatively high and constant. The need for higher degrees of silencing should be minimal.

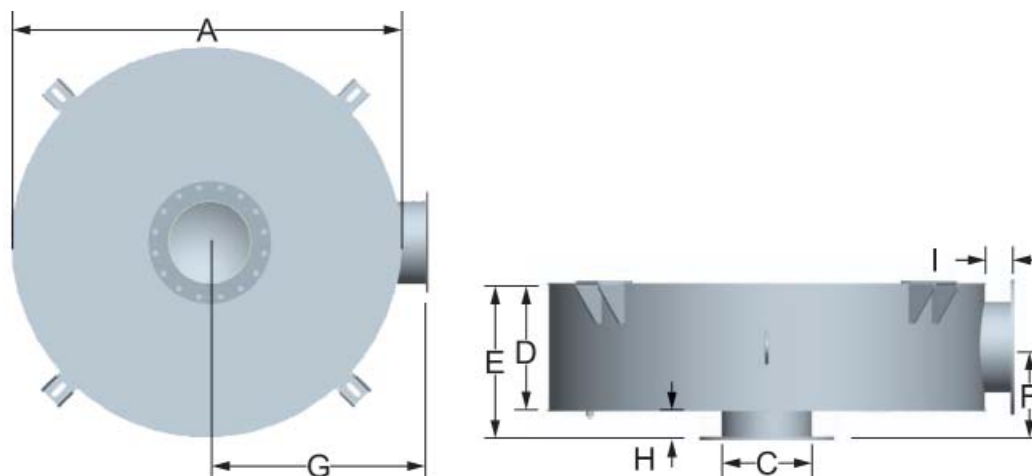
Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- Lift lugs

OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" to 2" internal insulation available
- Complete range of exhaust accessories



MD22									
Size / ØC	ØA	D	E	F	G	H	I	Est Wt	
4	22	7	11	7.5	15	4	4	103	
5	24	8	12	8	16	4	4	119	
6	28	8.5	12.5	8.25	18	4	4	147	
8	33	13	17	10.5	20.5	4	4	242	
10	41	13	17	10.5	24.5	4	4	329	
12	45	17	21	12.5	26.5	4	4	464	
14	52	18	22	13	30	4	4	539	
16	59	21	25	14.5	33.5	4	4	716	
18	65	23	27	15.5	36.5	4	4	825	

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.
Low Profile Orientations Available: Type1 Side In-End Out, Type 2 Side In-Side Out, Type 3 End In-End Out or Dual in options.

MAXIM
SILENCERS
MAXIM

CRITICAL LOW PROFILE PANCAKE CHAMBER

25 to 32 dBA Noise Reduction

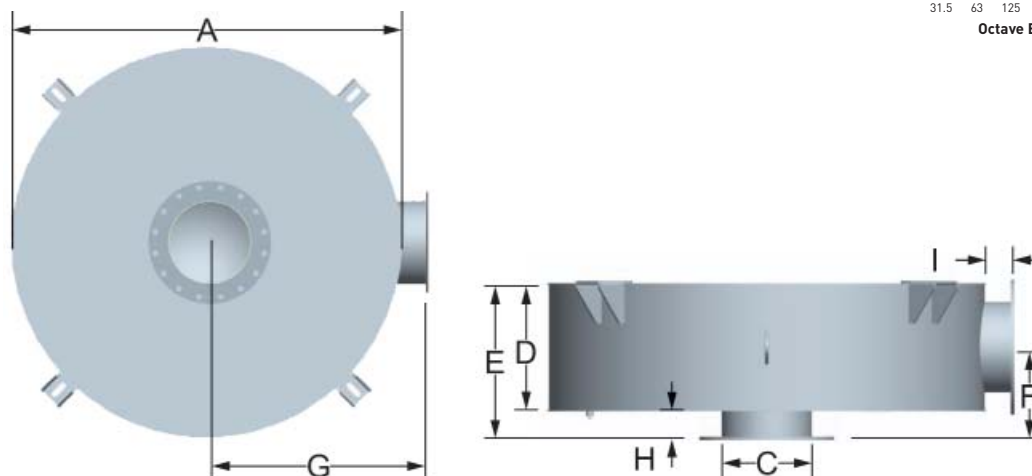
MD32 OVERVIEW

The MD32 is engineered to provide a critical grade attenuation while minimizing space usage. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise. Suitable for use where background noise is extremely low, such as residential or hospital locations away from busy streets.

Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

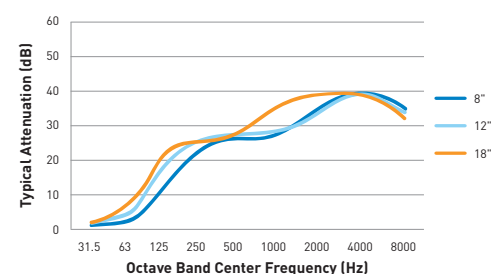
FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction
- Lift lugs



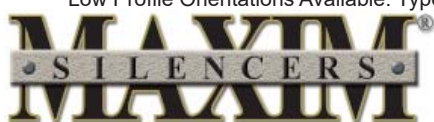
OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Complete range of exhaust accessories



MD32									
Size / ØC	ØA	D	E	F	G	H	I	Est Wt	
4	28	9	13	8.5	18	4	4	130	
5	29	11	15	9.5	18.5	4	4	150	
6	33	12	16	10	20.5	4	4	192	
8	45	14	18	11	26.5	4	4	341	
10	52	16	20	12	30	4	4	561	
12	62	18	22	13	35	4	4	816	
14	64	23	28	16.5	37	5	5	950	
16	74	25	30	17.5	42	5	5	1388	
18	84	27	32	18.5	47	5	5	1856	
20	92	28	33	19	51	5	5	2186	

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.
Low Profile Orientations Available: Type 1 Side In-End Out, Type 2 Side In-Side Out, Type 3 End In-End Out or Dual in options.



SUPER CRITICAL LOW PROFILE PANCAKE CHAMBER

30 to 37 dBA Noise Reduction

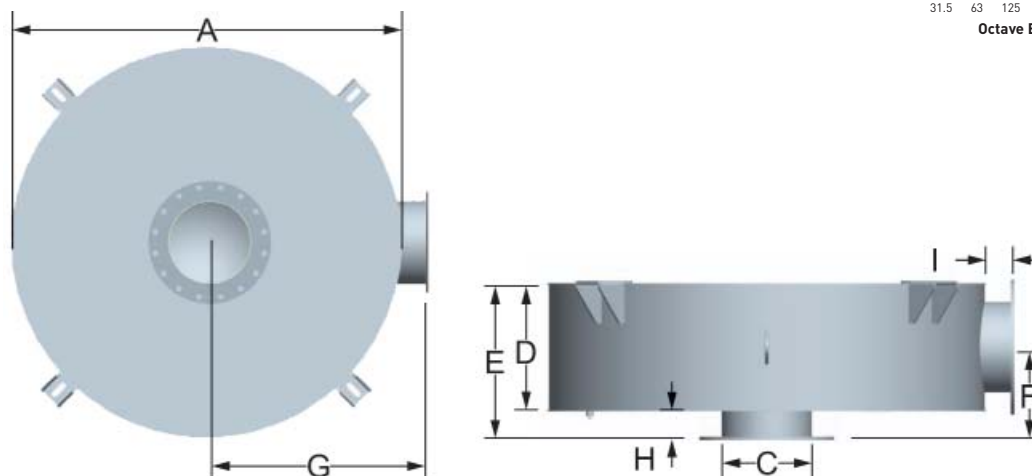
MD42 OVERVIEW

The MD42 is engineered to provide a super critical grade attenuation while minimizing space usage. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise. Suitable for use where background noise is extremely low, such as residential or hospital locations away from busy streets.

Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

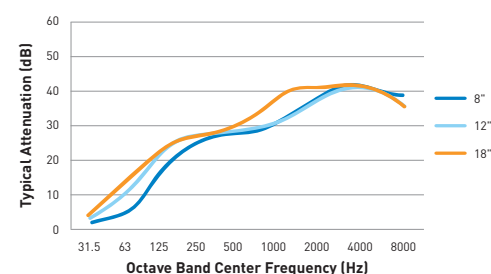
FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction
- Lift lugs



OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Complete range of exhaust accessories



MD42									
Size / ØC	ØA	D	E	F	G	H	I	Est Wt	
4	32	10	14	9	20	4	4	165	
5	32	11	15	9.5	20	4	4	174	
6	38	12	16	10	23	4	4	238	
8	52	14	18	11	30	4	4	518	
10	59	16	20	12	33.5	4	4	701	
12	70	18	22	13	39	4	4	984	
14	70	24	29	17	40	5	5	1104	
16	75	28	33	19	42.5	5	5	1518	
18	86	30	35	20	48	5	5	2006	
20	94	32	37	21	52	5	5	2375	

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.
Low Profile Orientations Available: Type1 Side In-End Out, Type 2 Side In-Side Out, Type 3 End In-End Out or Dual in options.

MAXIM
SILENCERS
MAXIM

HOSPITAL LOW PROFILE PANCAKE CHAMBER

35 to 42 dBA Noise Reduction

MD52 OVERVIEW

The MD52 is engineered to provide a hospital grade attenuation while minimizing space usage. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise. Suitable for use where background noise is extremely low, such as residential or hospital locations away from busy streets.

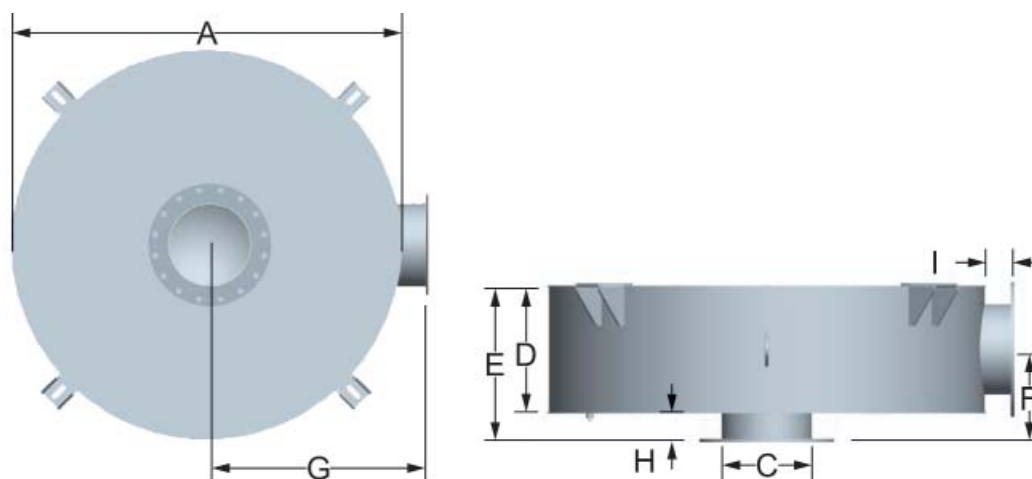
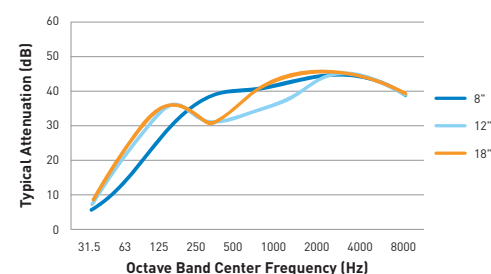
Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction
- Lift lugs

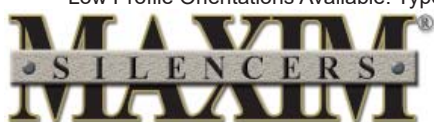
OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Complete range of exhaust accessories



MD52									
Size / ØC	ØA	D	E	F	G	H	I	Est Wt	
4	40	12	16	10	24	4	4	259	
5	49	14	18	11	28.5	4	4	413	
6	58	15	19	11.5	33	4	4	653	
8	68	17	21	12.5	38	4	4	906	
10	78	20	24	14	43	4	4	1373	
12	80	23	27	15.5	44	4	4	1544	
14	86	27	32	18.5	48	5	5	1961	
16	100	30	33	20	55	5	5	2598	
18	112	33	38	21.5	61	5	5	3359	
20	120	35	39	22.5	65	5	5	3864	

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.
Low Profile Orientations Available: Type 1 Side In-End Out, Type 2 Side In-Side Out, Type 3 End In-End Out or Dual in options.



RESIDENTIAL SPARK ARRESTING LOW PROFILE CHAMBER

19 to 25 dBA Noise Reduction

MDSA22 OVERVIEW

The MDSA22 is engineered to provide a spark arresting residential grade attenuation while minimizing space usage where fire hazards exist. Centrifugal force separates solids from the exhaust gas stream in an easily accessible cleanout. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Suitable for use where background noise is extremely low, such as residential or industrial locations away from busy streets.

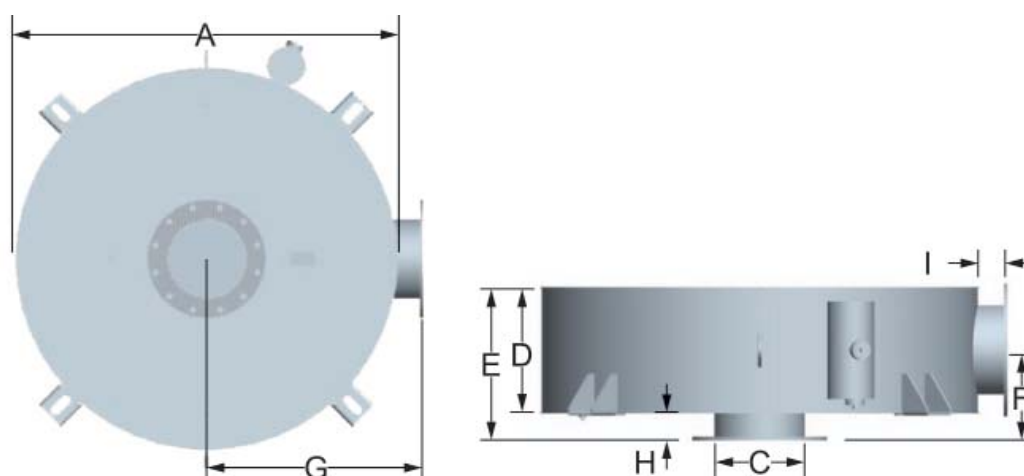
Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- Lift lugs

OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" to 2" internal insulation available
- Complete range of exhaust accessories



MDSA22									
Size / ØC	ØA	D	E	F	G	H	I	Est Wt	
4	22	7	11	7.5	15	4	4	105	
5	24	8	12	8	16	4	4	121	
6	28	8.5	12.5	8.25	18	4	4	149	
8	33	12	16	10	20.5	4	4	239	
10	41	13	17	10.5	24.5	4	4	335	
12	45	17	21	12.5	26.5	4	4	475	
14	52	18	22	13	30	4	4	550	
16	59	21	23	14.5	33.5	4	4	728	
18	65	23	27	15.5	36.5	4	4	838	

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.

CRITICAL SPARK ARRESTING LOW PROFILE CHAMBER

22 to 28 dBA Noise Reduction

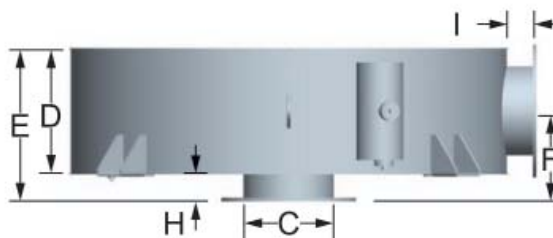
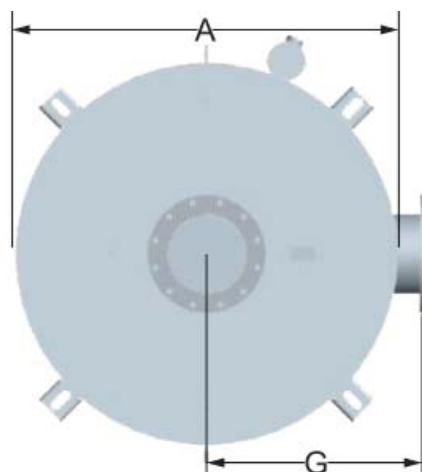
MDSA32 OVERVIEW

The MDSA32 is engineered to provide a spark arresting critical grade attenuation while minimizing space usage where fire hazards exist. Centrifugal force separates solids from the exhaust gas stream in an easily accessible cleanout. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise.

Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

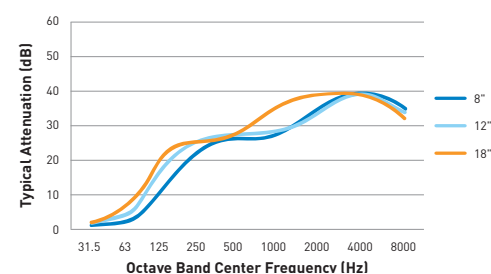
FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction
- Lift lugs



OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Complete range of exhaust accessories



MDSA32

Size / ØC	ØA	D	E	F	G	H	I	Est Wt
4	28	9	13	8.5	18	4	4	130
5	29	11	15	9.5	18.5	4	4	150
6	33	12	16	10	20.5	4	4	192
8	45	14	18	11	26.5	4	4	341
10	52	16	20	12	30	4	4	561
12	62	18	22	13	35	4	4	816
14	64	23	28	16.5	37	5	5	950
16	74	25	30	17.5	42	5	5	1388
18	84	27	32	18.5	47	5	5	1856
20	92	28	33	19	51	5	5	2186

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.

SUPER CRITICAL SPARK ARRESTING LOW PROFILE CHAMBER

30 to 37 dBA Noise Reduction

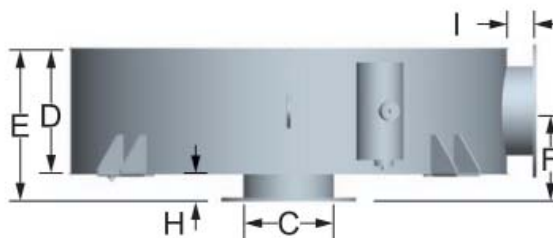
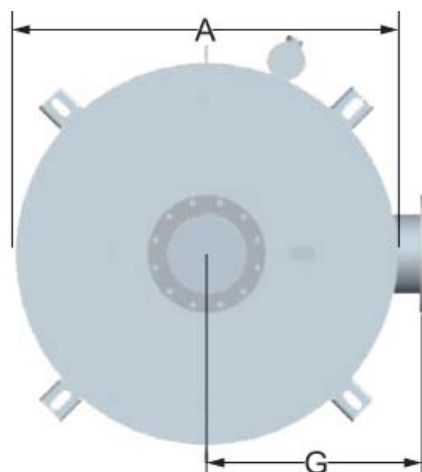
MDSA42 OVERVIEW

The MDSA42 is engineered to provide a spark arresting super critical grade attenuation while minimizing space usage fire hazards exist. Centrifugal force separates solids from the exhaust gas stream in an easily accessible cleanout. It is an excellent choice for packaged power and process skids where space is a premium. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise. Suitable for use where background noise is extremely low, such as residential or hospital locations away from busy streets.

Typical Applications: Internal combustion engines, process skids, genset enclosures, as well as marine engines.

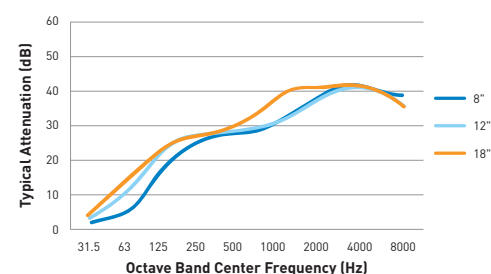
FEATURES

- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction
- Lift lugs



OPTIONS / ACCESSORIES

- Low surface temperature design
- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Complete range of exhaust accessories



MDSA42									
Size / ØC	ØA	D	E	F	G	H	I	Est Wt	
4	32	10	14	9	20	4	4	165	
5	32	11	15	9.5	20	4	4	174	
6	38	12	16	10	23	4	4	238	
8	52	14	18	11	30	4	4	518	
10	59	16	20	12	33.5	4	4	701	
12	70	18	22	13	39	4	4	984	
14	70	24	29	17	40	5	5	1104	
16	75	28	33	19	42.5	5	5	1518	
18	86	30	35	20	48	5	5	2006	
20	94	32	37	21	52	5	5	2375	

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.

MAXIM
SILENCERS
MAXIM

CRITICAL THIN LINE SILENCER

25 to 35 dBA Noise Reduction

MR32 OVERVIEW

The MR32 is engineered to provide a critical grade attenuation while minimizing space usage. It is designed specifically for enclosures and marine applications where silencer height is critical. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise.

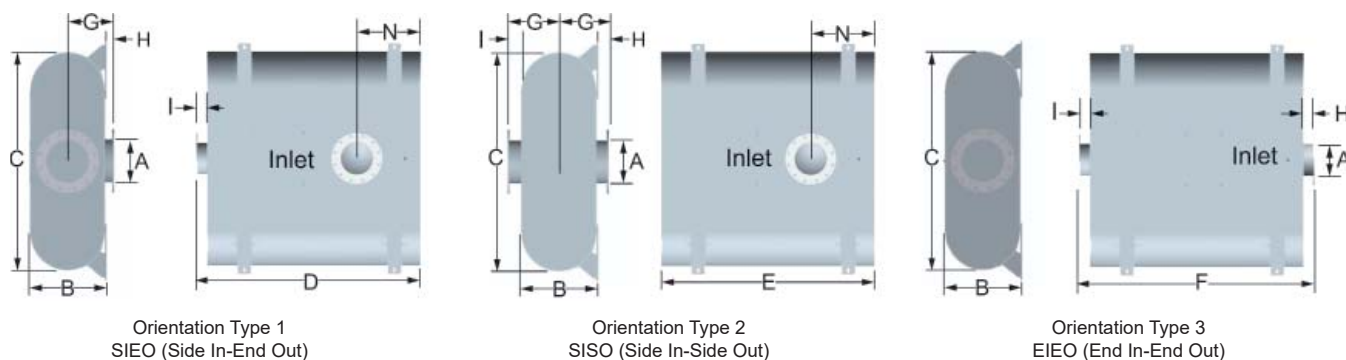
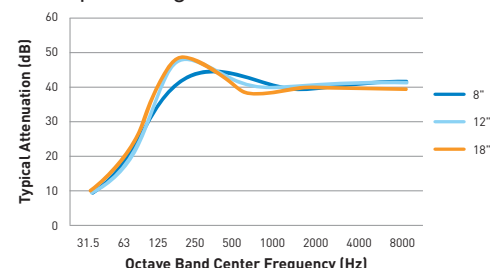
Typical Applications: Enclosures, as well as marine engines.

FEATURES

- Low surface temperature design
- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction

OPTIONS / ACCESSORIES

- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Lift lugs
- Complete range of exhaust accessories



MR32										
Size / A	B	C	D	E	F	N Min	N Max	G	H and I	Est Wt
4	11	28	32	28	36	6	15	9.5	4	130
5	12	29	33	29	37	6.5	15	10	4	165
6	13	33	37	33	41	7	17	10.5	4	220
8	15	45	50	46	54	8	24	11.5	4	415
10	18	52	56	52	60	9	27	13	4	605
12	21	62	66	62	70	10	33	14.5	4	830
14	23	65	70	66	74	11	34	15.5	4	1005
16	25	74	79	75	83	12	39	16.5	4	1345
18	27	84	90	86	94	14	46	17.5	4	1700
20	30	88	94	90	98	15	47	19	4	2055

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof. Thin Line Orientations Available: Type1 Side In-End Out, Type 2 Side In-Side Out, Type 3 End In-End Out or Dual in options.

SUPER CRITICAL THIN LINE SILENCER

30 to 40 dBA Noise Reduction

MR42 OVERVIEW

The MR42 is engineered to provide a super critical grade attenuation while minimizing space usage. It is designed specifically for enclosures and marine applications where silencer height is critical. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise.

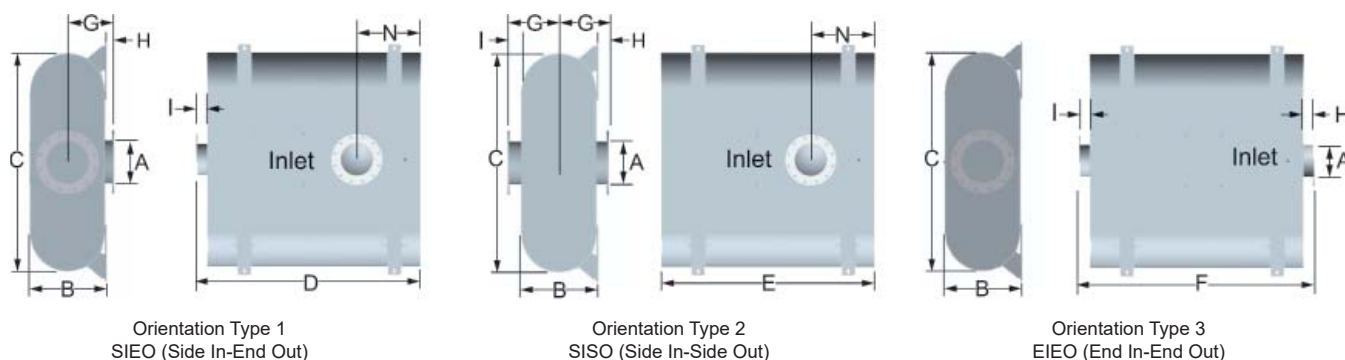
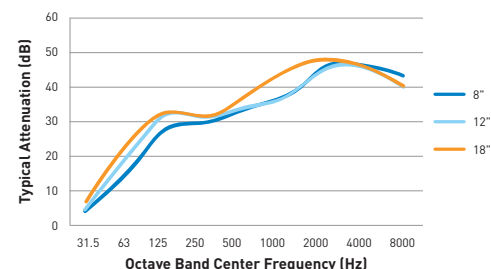
Typical Applications: Enclosures, as well as marine engines.

FEATURES

- Low surface temperature design
- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction

OPTIONS / ACCESSORIES

- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Lift lugs
- Complete range of exhaust accessories



MR42

Size / A	B	C	D	E	F	N Min	N Max	G	H and I	Est Wt
4	11	34	38	34	42	6	11	9.5	4	175
5	12	34	38	34	42	6.5	18	10	4	205
6	13	38	42	38	46	7	20	10.5	4	275
8	15	52	56	52	60	8	28	11.5	4	575
10	18	59	63	59	67	9	31	13	4	790
12	21	70	74	70	78	10	38	14.5	4	1065
14	24	70	74	70	78	11	37	16	4	1220
16	28	75	80	76	84	12	40	18	4	1450
18	30	86	92	88	96	14	47	19	4	1875
20	34	92	98	94	102	15	50	21	4	2220

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof.
Thin Line Orientations Available: Side In-End Out, Side In-Side Out, End In-End Out or Dual in options.

EXTREME THIN LINE SILENCER

35 to 55 dBA Noise Reduction

MR62 OVERVIEW

The MR62 is engineered to provide an extreme grade attenuation while minimizing space usage. It is designed specifically for enclosures and marine applications where silencer height is critical. Dual inlets and other custom designs can be easily incorporated. Design not only reduces surface temperature, but also radiated noise.

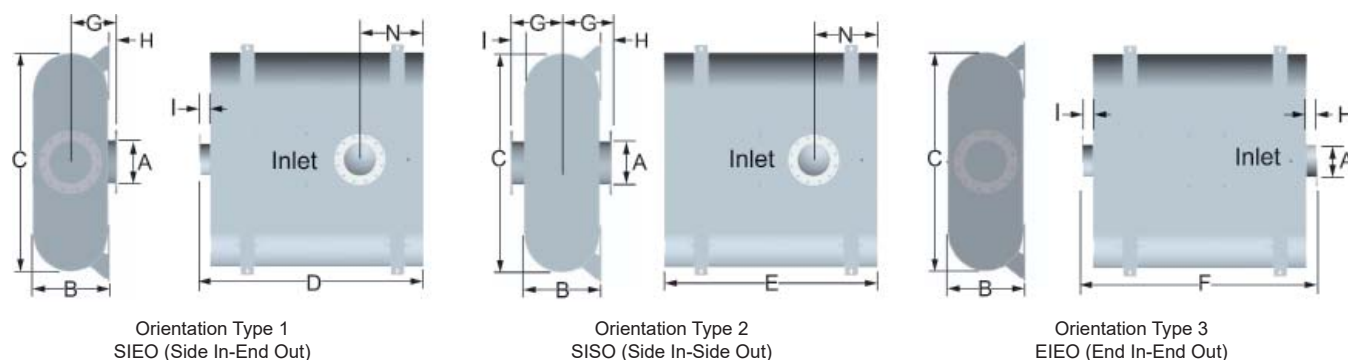
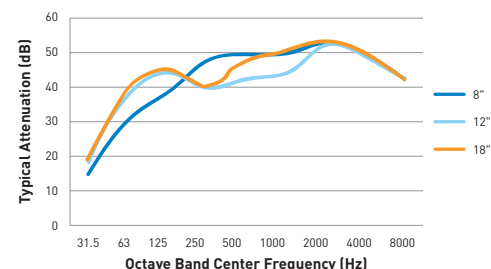
Typical Applications: Enclosures, as well as marine engines.

FEATURES

- Low surface temperature design
- Heavy duty, welded construction
- ANSI drilled 125/150 lb. flanges on inlet and outlet
- High-temperature, prime coated black finish
- 2" thick internal insulation within double wall construction
- Lift lugs

OPTIONS / ACCESSORIES

- Stainless steel construction: 304 or 316
- Custom inlet/outlet size, location and multiple orientation types available
- Support brackets
- Special paints and finishes available
- 1" internal insulation available
- Lift lugs
- Complete range of exhaust accessories



MR62										
Size / A	B	C	D	E	F	N Min	N Max	G	H and I	Est Wt
4	12	38	66	62	70	8	18	10	4	395
5	13	40	66	62	70	9	18	10.5	4	425
6	14	42	78	74	82	9	22	11	4	600
8	16	62	102	98	106	10	31	12	4	1210
10	18	70	108	104	112	11	32	13	4	1425
12	22	74	120	116	124	12	36	15	4	1775
14	28	78	120	116	124	13	35	18	4	1995
16	32	82	126	122	130	14	36	20	4	2260
18	34	92	150	146	154	15	45	21	4	2960
20	36	96	150	146	154	16	44	22	4	3150

Notes: Dimensions are in inches, weights are in pounds. A minimum 3" gap is recommended between the silencer and enclosure roof. Thin Line Orientations Available: Side In-End Out, Side In-Side Out, End In-End Out or Dual in options.

MARINE ENGINE / WET EXHAUST SILENCERS

15 to 18 dBA Noise Reduction

MP11 OVERVIEW

Constructed of 316L stainless steel, the MP11 offers good noise attenuation with low pressure drop in marine exhaust systems where water is injected upstream of the silencer. Mixed exhaust flow temperature not to exceed 200°F at silencer inlet.

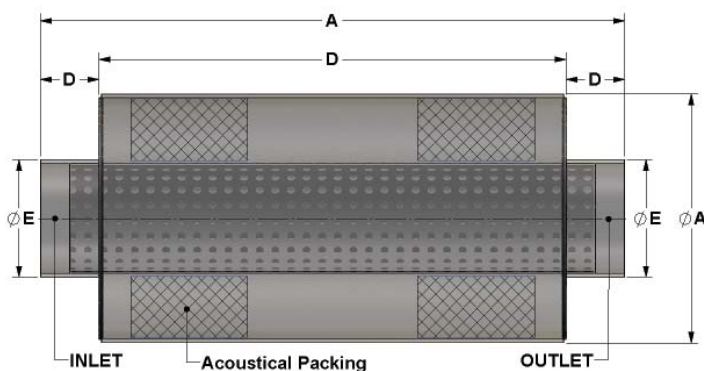
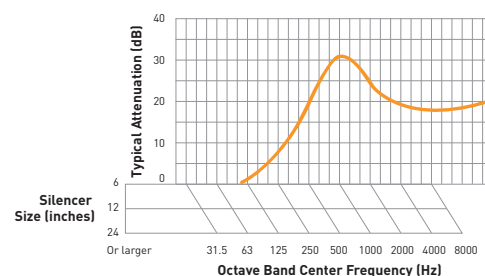
Typical Applications: Internal combustion engines using wet type exhaust

OPTIONS / ACCESSORIES

- Monel construction
- Flanged connections
- Standard pipe size O.D. stubs
- Horizontal or vertical support arrangements
- Complete range of exhaust accessories

FEATURES

- Advanced acoustical design
- Reduces noxious fumes and odors
- Thick wall construction for high transmission loss
- All welded construction and long service life
- Easy installation in any position



MP11						
Size / ØE	ØA	B	C	D	Est Wt	
4	10.75	24	18	3	43	
4.5	10.75	24	18	3	43	
5	12.75	30	24	3	63	
6	12.75	30	24	3	65	
8	14.5	48	36	6	123	
10	16.75	60	48	6	191	
12	18.75	72	60	6	225	

Note: Dimensions are in inches, weights are in pounds.

MARINE ENGINE / WET EXHAUST SILENCERS

20 to 25 dBA Noise Reduction

MP31 OVERVIEW

Constructed of 316L stainless steel, the MP31 offers very good noise attenuation with medium pressure drop in marine exhaust systems where water is injected upstream of the silencer. Mixed exhaust flow temperature not to exceed 200 °F at silencer inlet.

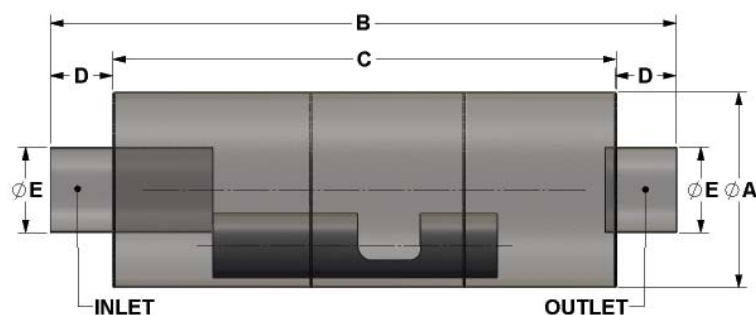
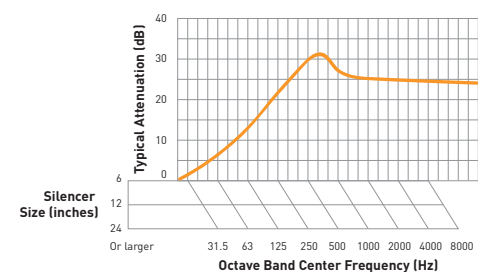
Typical Applications: Internal combustion engines using wet type exhaust

FEATURES

- Advanced acoustical design
- Reduces noxious fumes and odors
- Thick wall construction for high transmission loss
- All welded construction and long service life
- Easy installation in any position

OPTIONS / ACCESSORIES

- Monel construction
- Flanged connections
- Standard pipe size O.D. stubs
- Horizontal or vertical support arrangements
- Complete range of exhaust accessories



MP31					
Size / ØE	ØA	B	C	D	Est Wt
4	8.75	30	24	3	39
4.5	10.75	36	30	3	61
5	10.75	36	30	3	61
6	12.75	42	36	3	94
8	16.75	60	48	6	143
10	20.25	70	58	6	230
12	24.25	82	70	6	327

Note: Dimensions are in inches, weights are in pounds.

MARINE ENGINE / WET EXHAUST SILENCERS

30 to 35 dBA Noise Reduction

MP41 OVERVIEW

Constructed of 316L stainless steel, the MP41 offers very high noise attenuation in marine exhaust systems where water is injected upstream of the silencer. Mixed exhaust flow temperature not to exceed 200 °F at silencer inlet.

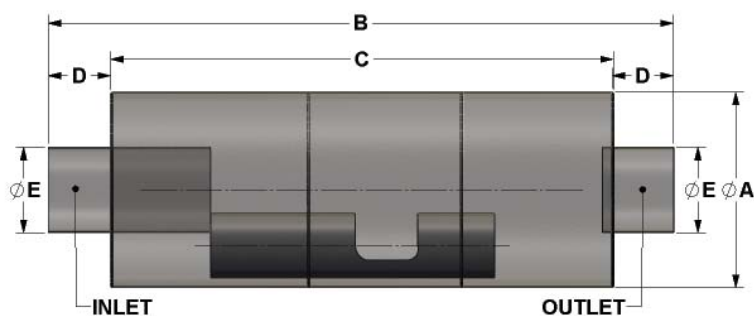
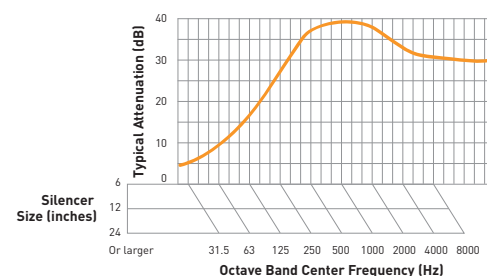
Typical Applications: Internal combustion engines using wet type exhaust

FEATURES

- Advanced acoustical design
- Reduces noxious fumes and odors
- Thick wall construction for high transmission loss
- All welded construction and long service life
- Easy installation in any position

OPTIONS / ACCESSORIES

- Monel construction
- Flanged connections
- Standard pipe size O.D. stubs
- Horizontal or vertical support arrangements
- Complete range of exhaust accessories



MP41					
Size / ØE	ØA	B	C	D	Est Wt
4	10.75	54	48	3	83
4.5	12.75	54	48	3	103
5	12.75	54	48	3	103
6	14.75	54	48	3	118
8	18.75	60	48	6	167
10	22.25	70	58	6	235
12	26.25	82	70	6	334

Note: Dimensions are in inches, weights are in pounds.

STRAIGHT THROUGH ACOUSTICALLY PACKED BLOWER

15 to 30 dBA Noise Reduction

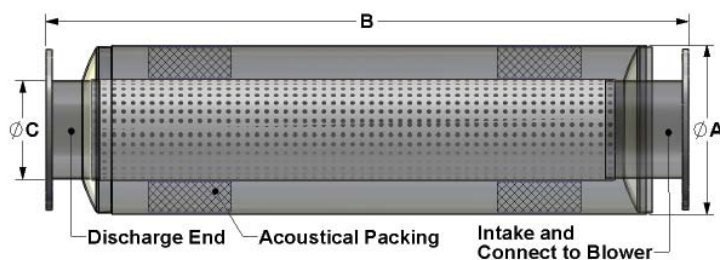
MB11 OVERVIEW

Use for a high degree of high frequency noise attenuation on blower intakes or discharges. This model is ideal for residential areas where background noise is relatively low.

Typical applications: Rotary positive blower intake and discharge, vacuum pump intake and discharge, and centrifugal blower intake and discharge

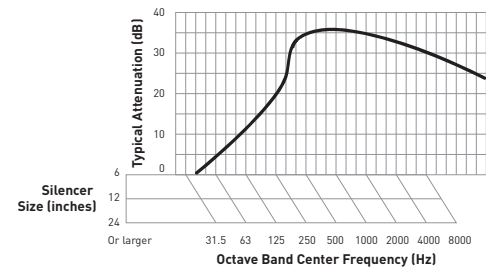
FEATURES

- Advanced acoustical design
- High quality sound absorbing material
- Extra heavy wall, all welded construction
- Prime coated exterior finish
- Sizes 1" through 3.5" have MNPT connections



OPTIONS / ACCESSORIES

- Flexible connectors
- Companion flanges
- Horizontal or vertical support arrangements
- Special paint
- Stainless steel construction
- Complete range of exhaust accessories



MB11			
Size / ØC	ØA	B	Est Wt
1	4.625	16	10
1.5	4.625	20	15
2	5.75	24	20
2.5	5.75	26	25
3	7	30	40
3.5	7	34	45
4	10.25	38	90
5	12	42	120
6	12	48	145
8	14	54	200
10	16	67	315
12	18	79	420
14	20	91	670
16	22	103	840
18	30	71	980
20	36	83	1370
22	36	89	1505
24	40	98	1920
26	45	106	2325
28	45	111	2495
30	50	121	2995

Note: Dimensions are in inches, weights are in pounds.

CHAMBER TYPE BLOWER SILENCER

15 to 30 dBA Noise Reduction

MB21 OVERVIEW

An efficient economical design, the MB21 is useful on blower intakes or discharges. Use an MB21 where some background noise is always present and high degrees of silencing is not required.

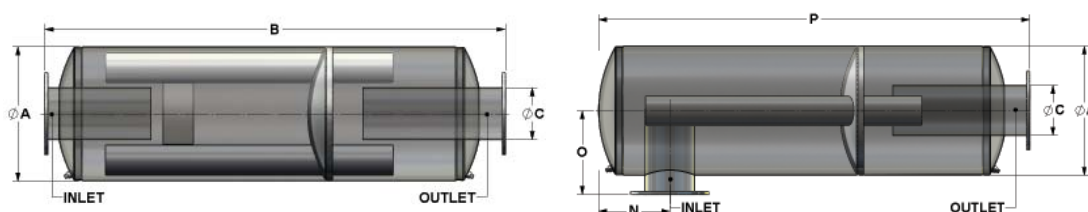
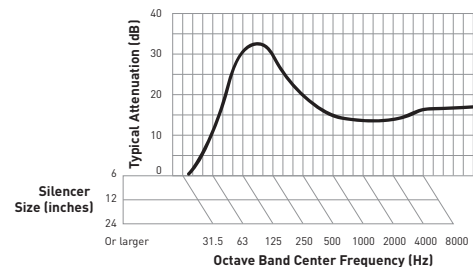
Typical applications: Rotary positive blower intake and discharge (10" size and below)

FEATURES

- Advanced acoustical design
- Prime coated exterior finish

OPTIONS / ACCESSORIES

- Stainless steel or monel construction
- Flanged connections
- Standard pipe size necks
- Horizontal or vertical support arrangements
- Special paint
- Complete range of exhaust accessories



MB21							
Size / ØC	ØA	B	N Min	N Max	O	P	Est Wt
4	14	48	5.5	22	10	45	110
5	16	55	6.5	25	11	52.25	120
6	18	63	7	29.5	12	60.25	170
8	22	76	8.5	36.5	14	73.5	285
10	26	91	10.5	43	16.5	88	460
12	30	109	12	53	18.5	106.25	745
14	36	102	14	48	21.5	99.25	965
16	40	119	17	56	23.5	116.5	1340
18	45	127	19	60	26.5	124	1850
20	50	144	21	69	29	141.25	2175
22	54	161	22	78	31	158.5	2650
24	60	165	24	79	34	162.25	3400
26	64	183	26	89	36	180.5	3850
28	68	200	27	98	38	197.75	4840
30	72	216	29	107	40	213.75	5150

Note: Dimensions are in inches, weights are in pounds.

MAXIM
SILENCERS
MAXIM

COMBINATION ACOUSTICALLY PACKED CHAMBER BLOWER

25 to 30 dBA Noise Reduction

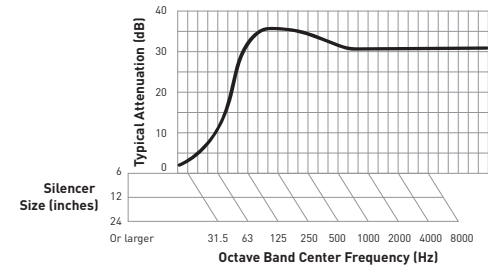
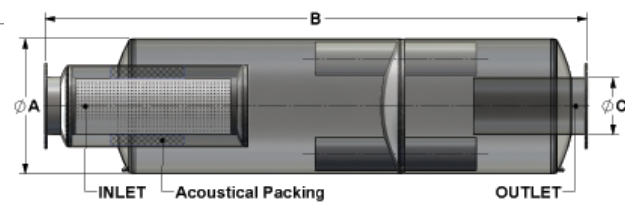
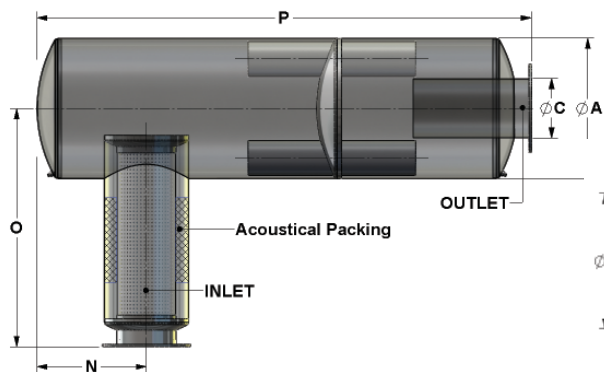
MB31 OVERVIEW

The MB31 provides the highest degree of overall noise attenuation on blower intakes or discharges. Use an MB31 where background noise is extremely low and the best degree of silencing is required.

Typical applications: Rotary positive blower intake and discharge

FEATURES

- Advanced acoustical design
- High quality sound absorbing material
- Packed inlet
- Prime coated exterior finish



MB31								
Size / $\varnothing C$	$\varnothing A$	B	N Min	N Max	O	P	Est Wt	
4	14	52	8.5	19	23	45	150	
5	16	60	10	21.5	26	52.25	195	
6	18	69	10	26.5	30	60.25	250	
8	22	84	11	33.5	36	73.5	380	
10	26	101	13.5	40	43	88	620	
12	30	121	15	50	51	106.25	1030	
14	36	115	18	44	52	99.25	1230	
16	40	135	20	53	59	116.5	1815	
18	45	140	25	54	58	124	2750	
20	50	159	26	64	59	141.25	3210	
22	54	177	29	71	60	154.25	3895	
24	60	184	30	73	60	162.25	4330	
26	64	204	31	84	60	180.5	5005	
28	68	223	33	92	62	197.75	6625	
30	72	241	34	102	62	213.75	7315	
32	76	250	36.5	102.5	64	220.75	8415	
34	82	252	37.5	102.5	64	220.5	8995	
36	86	254	37.5	102.5	65	221	9485	

Note: Dimensions are in inches, weights are in pounds.



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