

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.

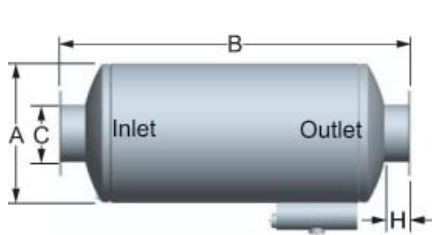
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

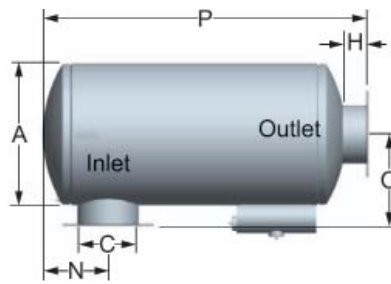
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

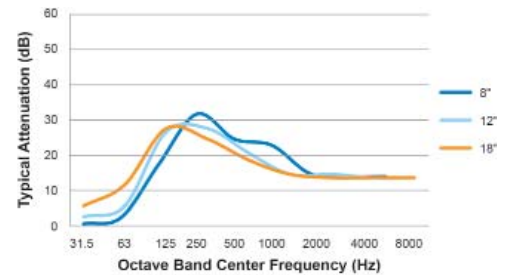
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and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



Type 1 - EIEO



Type 2 - SIEO



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.

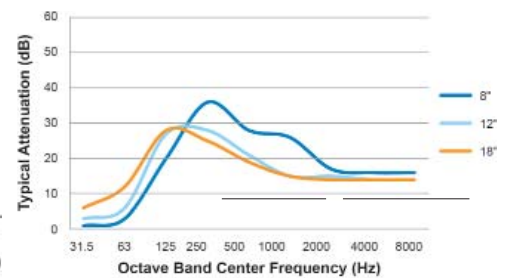
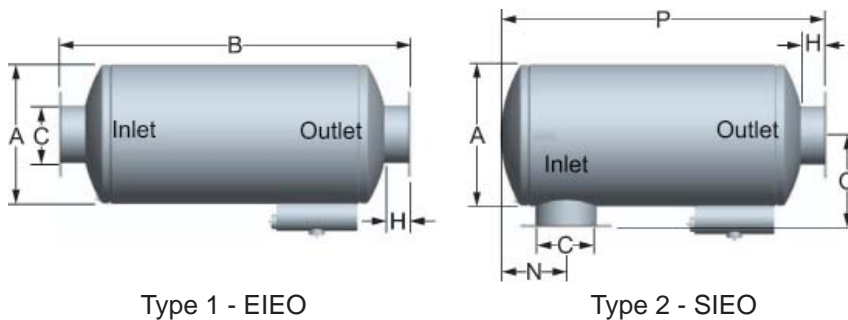
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

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

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

- Consult Factory -

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.

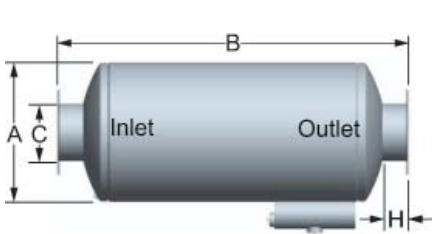
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

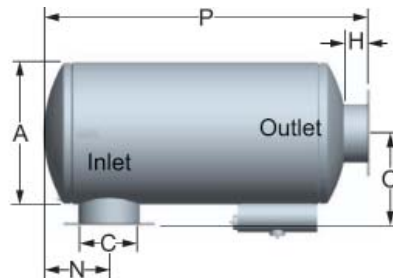
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: Sizes 3.5 and under MNPT, 4 and up ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

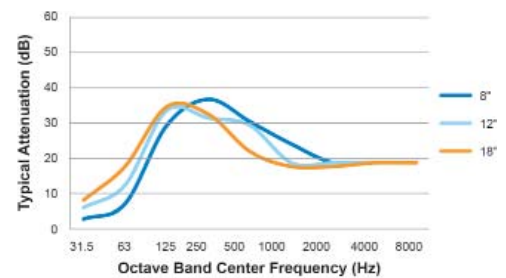
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and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



Type 1 - EIEO



Type 2 - SIEO



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

- Consult Factory -

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



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

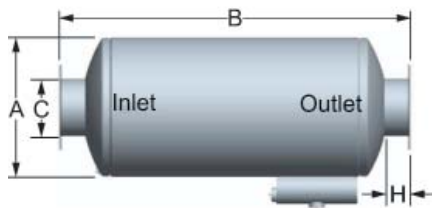
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

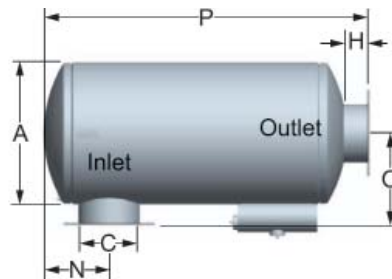
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connections

OPTIONS / ACCESSORIES

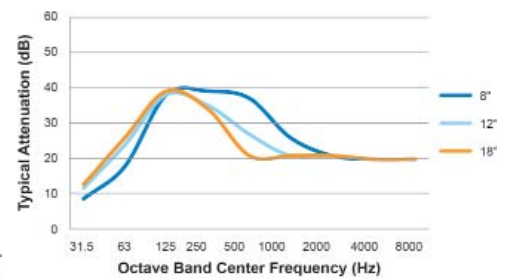
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and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



Type 1 - EIEO



Type 2 - SIEO



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

- Consult Factory -

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.

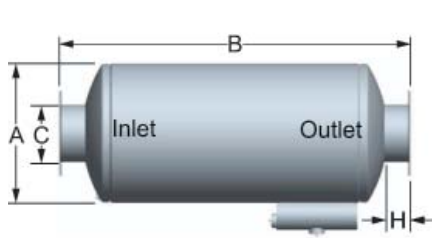
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

FEATURES

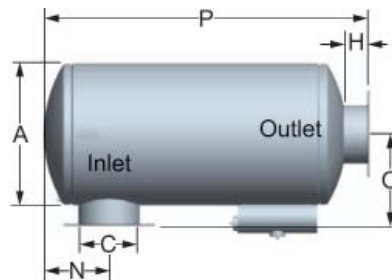
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Sizes 6 and under are two chambered, 8 and above are three chambers
- Drain connections

OPTIONS / ACCESSORIES

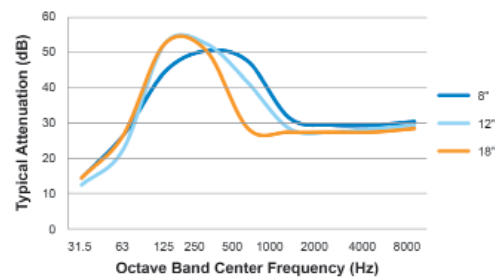
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and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



Type 1 - EIEO



Type 2 - SIEO



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

- Consult Factory -

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



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 arrester. The MSA55 is a reactive silencer with absorptive type features 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.

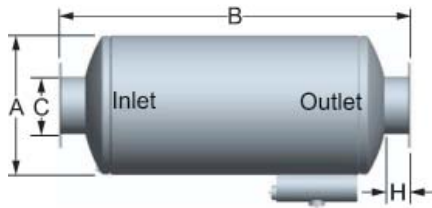
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

OPTIONS / ACCESSORIES

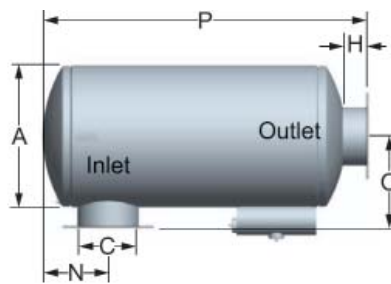
- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientation types available
- Horizontal or vertical support arrangements
- Aluminized steel, Stainless Steel 304 or 316 construction available
- Special paints and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

FEATURES

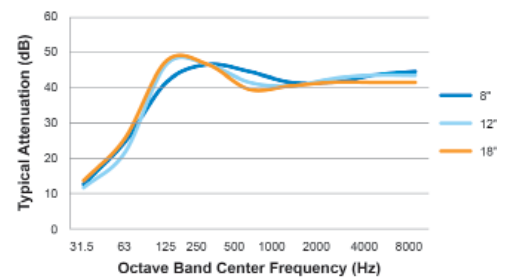
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Three chambers
- Drain connections



Type 1 - EIEO



Type 2 - SIEO



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

- Consult Factory -

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

