

# INDUSTRIAL SPARK ARRESTING CHAMBER SILENCER

## 12 to 20 dBA Noise Reduction

### MSA10 OVERVIEW

The MSA10 silencer is engineered to provide an 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.

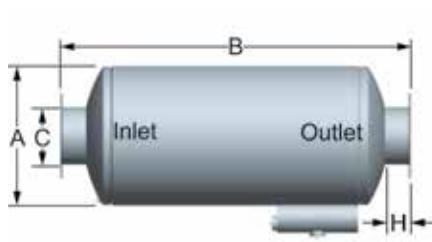
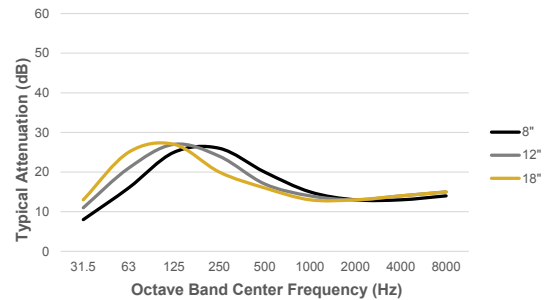
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

### FEATURES

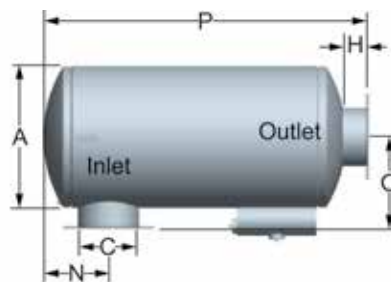
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connection

### OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientations 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										
Part No.*	Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt	
MSA10-4	4	10	30	5		9	26	4	40	
MSA10-5	5	12	34	6		10	30	4	51	
MSA10-6	6	14	41	6.5		11	37	4	75	
MSA10-8	8	16	48	8.5		12	44	4	108	
MSA10-10	10	18	50	9.5		13	46	4	138	
MSA10-12	12	22	60	11.5		15	56	4	203	
MSA10-14	14	30	70	13.5		20	65	5	394	
MSA10-16	16	36	80	16.5		23	75	5	535	
MSA10-18	18	40	90	17.5		25	85	5	858	

-Consult Factory-

- All dimensions are in inches. All weights are in pounds. Weights are approximate.
- Listed sound data is based on typical performance and should not be considered absolute.
- \*See [nomenclature guide](#) for additional information on part number creation.



# 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.

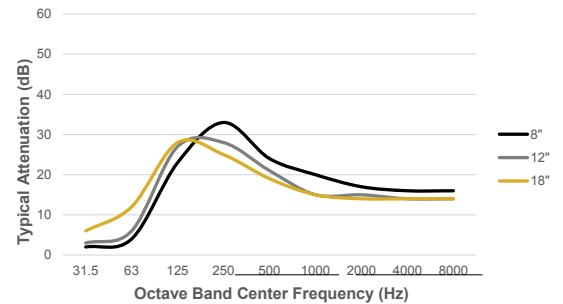
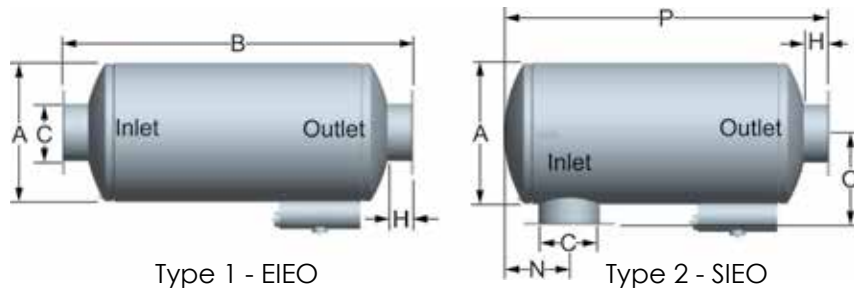
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

### 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 connection

### OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientations 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										
Part No.*	Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt	
MSA11-1.5	1.5	9	20	3.5		7.5	17	3	20	
MSA11-2	2	9	20	4		7.5	17	3	21	
MSA11-2.5	2.5	10	24	4.5		8	21	3	28	
MSA11-3	3	12	26	5		9	23	3	41	
MSA11-3.5	3.5	14	30	5.5		10	27	3	55	
MSA11-4	4	14	36	6		11	32	4	64	
MSA11-5	5	16	43	7		12	39	4	88	
MSA11-6	6	18	49	7.5		13	45	4	110	
MSA11-8	8	22	59	9.5		15	55	4	178	
MSA11-10	10	26	64	11.5		17	60	4	280	
MSA11-12	12	30	77	13		19	73	4	416	
MSA11-14	14	36	83	15.5		23	78	5	558	
MSA11-16	16	40	90	16.5		25	85	5	793	
MSA11-18	18	45	96	18		27.5	91	5	950	
MSA11-20	20	50	109	20.5		30	104	5	1392	
MSA11-22	22	54	119	22.5		32	114	5	1806	
MSA11-24	24	60	125	24		35	120	5	2187	
MSA11-26	26	64	140	25.5		37	135	5	2586	
MSA11-28	28	68	155	26.5		39	150	5	2984	
MSA11-30	30	72	166	28		41	161	5	3445	

• All dimensions are in inches. All weights are in pounds. Weights are approximate.  
 • Listed sound data is based on typical performance and should not be considered absolute.  
 • \*See [nomenclature guide](#) for additional information on part number creation.



# 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.

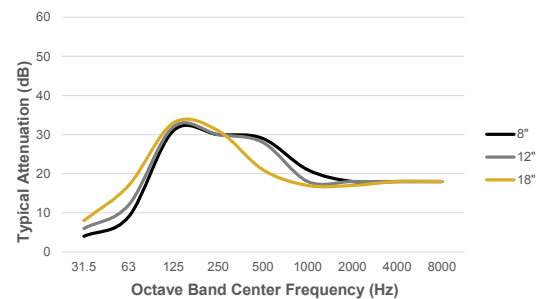
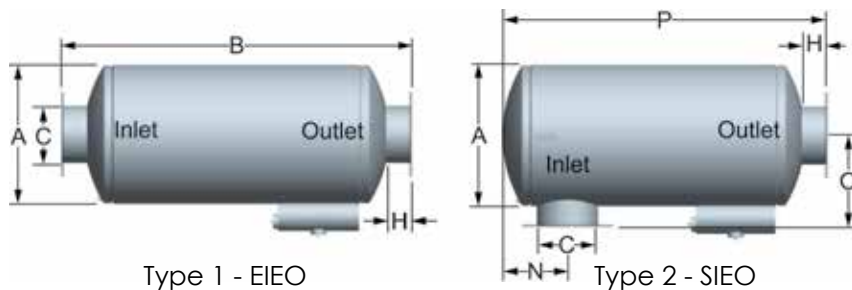
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

### 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 connection

### OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientations 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										
Part No.*	Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt	
MSA22-1.5	1.5	9	30	4		7.5	27	3	27	
MSA22-2	2	9	30	4.5		7.5	27	3	28	
MSA22-2.5	2.5	10	34	5		8	31	3	37	
MSA22-3	3	12	38	5.5		9	35	3	54	
MSA22-3.5	3.5	14	42	6		10	39	3	70	
MSA22-4	4	14	48	6		11	44	4	77	
MSA22-5	5	16	57	7		12	53	4	108	
MSA22-6	6	18	63	8		13	59	4	132	
MSA22-8	8	22	74	9.5		15	70	4	205	
MSA22-10	10	26	87	11.5		17	83	4	356	
MSA22-12	12	30	102	13		19	98	4	518	
MSA22-14	14	36	109	15.5		23	104	5	687	
MSA22-16	16	40	119	16.5		25	114	5	976	
MSA22-18	18	45	127	18		27.5	122	5	1169	
MSA22-20	20	50	137	20.5		30	132	5	1676	
MSA22-22	22	54	149	22.5		32	144	5	2127	
MSA22-24	24	60	162	24		35	157	5	2627	
MSA22-26	26	64	183	25.5		37	178	5	3106	
MSA22-28	28	68	200	26.5		39	195	5	3561	
MSA22-30	30	72	216	28		41	211	5	4140	

-Consult Factory-

• All dimensions are in inches. All weights are in pounds. Weights are approximate.  
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 • \*See [nomenclature guide](#) for additional information on part number creation.



# 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.

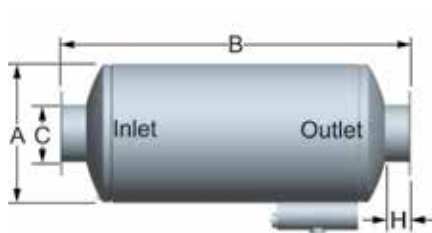
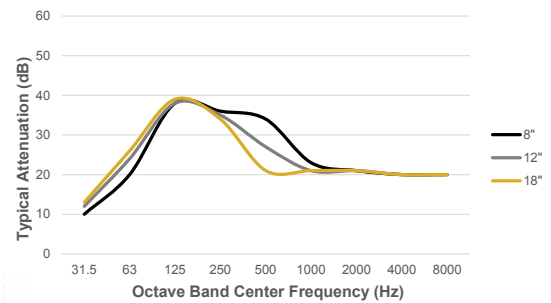
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

### FEATURES

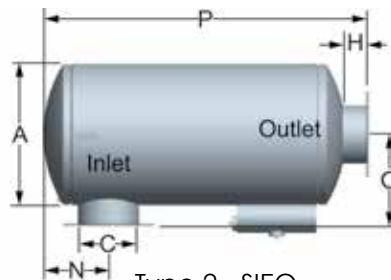
- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- High heat silicone black finish
- Connections: ANSI pattern flanged
- Two chambers
- Drain connection

### OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientations 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

Part No.*	Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
MSA33-4	4	16	51	6.5		12	47	4	94
MSA33-5	5	18	62	7		13	58	4	130
MSA33-6	6	22	69	8.5		15	65	4	186
MSA33-8	8	26	82	10		17	78	4	318
MSA33-10	10	30	102	12		19	98	4	494
MSA33-12	12	36	112	15		22	108	4	690
MSA33-14	14	40	120	15.5		25	115	5	968
MSA33-16	16	45	126	17		27.5	121	5	1155
MSA33-18	18	50	135	19.5		30	130	5	1636
MSA33-20	20	54	149	21.5		32	144	5	2086
MSA33-22	22	60	157	23		35	152	5	2492
MSA33-24	24	64	164	24.5		37	159	5	2831
MSA33-26	26	68	184	25.5		39	179	5	3316
MSA33-28	28	72	205	27		41	200	5	3821
MSA33-30	30	78	220	28.5		44	215	5	5324

-Consult Factory-

• All dimensions are in inches. All weights are in pounds. Weights are approximate.  
 • Listed sound data is based on typical performance and should not be considered absolute.  
 • \*See [nomenclature guide](#) for additional information on part number creation.



# 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.

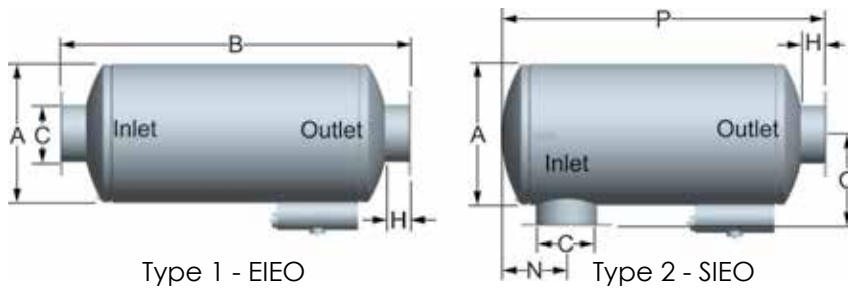
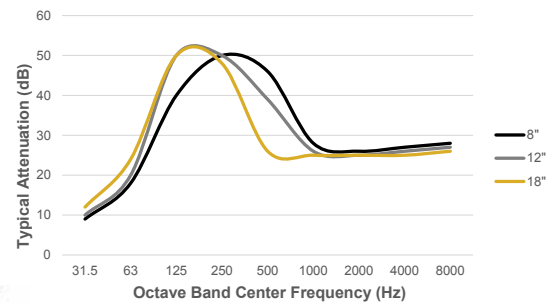
Typical Applications: Internal combustion engine exhausts, marine service, refineries/hazardous environments, and offshore drilling/production platforms

### 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 connection

### OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientations 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									
Part No.*	Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
MSA44-4	4	18	62	7		13	58	4	119
MSA44-5	5	22	74	9		15	70	4	189
MSA44-6	6	26	85	11		17	81	4	305
MSA44-8	8	30	103	12		19	99	4	517
MSA44-10	10	36	118	14		22	114	4	730
MSA44-12	12	36	130	14		22	126	4	820
MSA44-14	14	40	145	17		25	140	5	1188
MSA44-16	16	45	156	19		27.5	151	5	1461
MSA44-18	18	50	171	21		30	166	5	2111
MSA44-20	20	54	185	22		32	180	5	2664
MSA44-22	22	60	199	24		35	194	5	3237
MSA44-24	24	64	212	26		37	207	5	3693
MSA44-26	26	66	235	27		39	230	5	4313
MSA44-28	28	72	268	29		41	263	5	5053
MSA44-30	30	78	278	32		44	273	5	6866

-Consult Factory-

• All dimensions are in inches. All weights are in pounds. Weights are approximate.  
 • Listed sound data is based on typical performance and should not be considered absolute.  
 • \*See [nomenclature guide](#) for additional information on part number creation.



# HOSPITAL PLUS SPARK ARRESTING CHAMBER SILENCER

## 35 to 50 dBA Noise Reduction

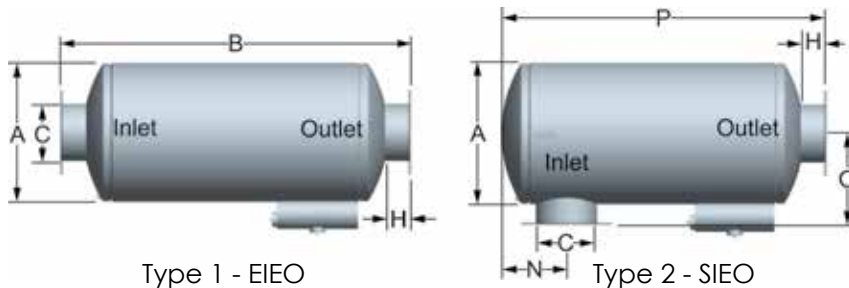
### MSA55 OVERVIEW

The MSA55 silencer is engineered to provide the highest grade attenuation with a highly efficient spark arrestor. The MSA55 is 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

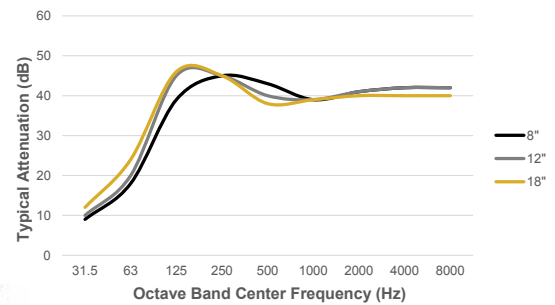
### FEATURES

- 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 connection



### OPTIONS / ACCESSORIES

- Explosion relief cover
- Flexible connectors
- Companion flanges
- Cleanout openings
- Custom inlet/outlet size, location and multiple orientations 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									
Part No.*	Size / ØC	ØA	B	N Min	N Max	O	P	H	Est Wt
MSA55-4	4	18	62	7		13	58	4	200
MSA55-5	5	22	74	9		15	70	4	314
MSA55-6	6	26	85	11		17	81	4	382
MSA55-8	8	30	103	12		19	99	4	590
MSA55-10	10	36	118	14		22	114	4	829
MSA55-12	12	36	130	14		22	126	4	953
MSA55-14	14	40	145	17		25	140	5	1345
MSA55-16	16	45	156	19		27.5	151	5	1628
MSA55-18	18	50	171	21		30	166	5	2371
MSA55-20	20	54	185	22		32	180	5	2969
MSA55-22	22	60	199	24		35	194	5	3562
MSA55-24	24	64	212	26		37	207	5	4048
MSA55-26	26	68	235	27		39	230	5	4737
MSA55-28	28	72	268	29		41	263	5	5692
MSA55-30	30	78	278	32		44	273	5	7573

-Consult Factory-

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 • \*See [nomenclature guide](#) for additional information on part number creation.

