BEAIRD INDUSTRIES, INC.
ISO 9001 REGISTERED

# Marine Exhaust is a proud distibutor of MAXIM® Silencers

M51 MODEL

## MAXIM SILENCER APPLICATIONS

### *M51 – Best Chamber Type Silencer – Expected Attenuation is 28 to 32 dBA*

Use a model M51 for the highest degree of "critical" grade silencing for areas requiring "hospital quiet" noise reductions. The M51 is presently the top-of-the-line silencer without resorting to multiple silencers in series or custom designed silencers.

### *M41 – Excellent Chamber Type Silencer – Expected Attenuation is 24 to 28 dBA*

Use a model M41 for quiet residential areas where background noise is relatively low and "critical" grade silencing is required.

***Example:*** *For truly quiet residential areas where ambient noise levels are very low and the sounds of birds singing and the soft hum of air conditioning units may be the noticeable noise features.*

### *M31 – Better Chamber Type Silencer – Expected Attenuation is 20 to 24 dBA*

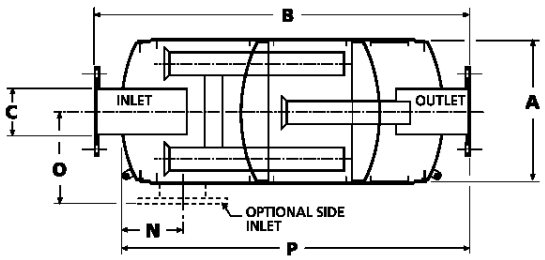
Use a model M31 in residential areas where background noise is present but not objectionable. In these areas, installation of an M31 on an engine exhaust is intended to bring the noise level down to match the ambient noise levels.

***Example:*** *In a quieter residential areas off the main traffic areas and away from constant noise sources.*

### *M21 – Good Chamber Type Silencer – Expected Attenuation is 17 to 20 dBA*

Use a model M21 in residential and light industrial areas where background noise is relatively high and constant and the need for higher degrees of silencing is minimal.

***Example:*** *In residential 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 . Use of an M21 can keep engine exhaust noise within existing noise levels.*

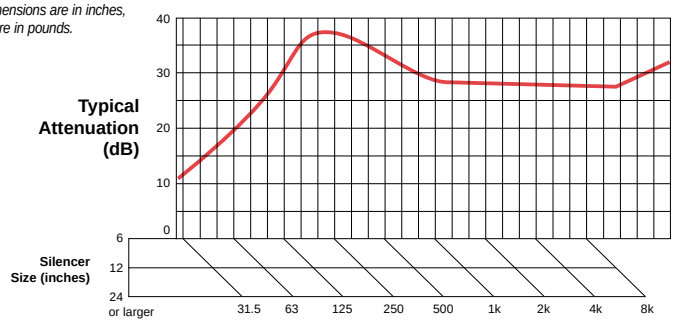



Sizes 1½" to 3½" have MNPT connections.
Sizes 1½" through 10" are two chambered.
Sizes 12" and larger have three chambers.

**www.mesamarine.com**

| Size | A | B | C | N MIN. | N MAX. | O | P | Est. Wt. |
|---|---|---|---|---|---|---|---|---|
| 1 ½ | 7 | 26 | 1 ½ | 3 | 11 | 6 ½ | 24 | 19 |
| 2 | 10 ¼ | 25 | 2 | 3 ½ | 10 ½ | 8 | 23 | 27 |
| 2 ½ | 12 | 36 | 2 ½ | 4 ½ | 15 ½ | 9 | 33 ¼ | 45 |
| 3 | 14 | 45 | 3 | 5 ¼ | 21 ¼ | 10 | 42 ½ | 80 |
| 3 ½ | 16 | 53 | 3 ½ | 6 | 25 | 11 | 50 ¼ | 95 |
| 4" | 18 | 64 | 4 | 6 ½ | 31 | 12 | 61 ¼ | 200 |
| 5" | 22 | 72 | 5 | 8 | 35 | 14 | 69 ¼ | 285 |
| 6" | 26 | 85 | 6 | 9 | 41 ½ | 16 | 82 ½ | 390 |
| 8" | 30 | 103 | 8 | 10 ½ | 50 | 18 ½ | 100 | 585 |
| 10" | 36 | 118 | 10 | 12 ½ | 59 | 21 ½ | 115 | 860 |
| 12" | 36 | 146 | 12 | 13 | 58 | 21 ½ | 143 | 1250 |
| 14" | 40 | 145 | 14 | 16 ½ | 56 | 23 ½ | 142 | 1525 |
| 16" | 45 | 164 | 16 | 18 | 63 | 26 | 161 ¼ | 2150 |
| 18" | 50 | 188 | 18 | 20 | 74 | 29 | 185 | 3450 |
| 20" | 54 | 217 | 20 | 21 | 84 | 31 | 214 | 4075 |
| 22" | 60 | 230 | 22 | 23 | 92 | 34 | 227 | 5050 |
| 24" | 64 | 258 | 24 | 25 | 105 | 36 | 255 ¼ | 6075 |
| 26" | 68 | 283 | 26 | 26 | 115 | 38 | 280 ¼ | 7325 |
| 28" | 72 | 315 | 28 | 28 | 128 | 40 | 312 ¼ | 8225 |
| 30" | 78 | 326 | 30 | 30 | 133 | 43 | 323 ½ | 9250 |

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




### *Typical Applications:*

- Internal combustion engine intakes and exhausts
- Blower intakes and discharges
- Vacuum pump discharges

### *Features:*

- Advanced acoustical design
- Heavy duty, all welded construction and long service life
- Easily installed in any position
- Prime coated exterior finish

### *Optional Accessories:*

- Backfire relief covers
- Flexible connectors
- Companion flanges
- Cleanout openings
- Side inlets
- Horizontal or vertical support arrangements
- Special painting

### *Sample Specification:*

The silencer shall be a MAXIM Model M51 for best noise control for highest degree of applications. The construction shall be heavy wall, all welded, carbon steel construction and protected by a single coat of shop primer. The design of the silencer shall be suitable for mounting in any position and shall be complete with the following available options:

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