

### Description:

Burgess-Aarding chambered reactive type engine silencers are specifically designed to provide ideal noise reduction of reciprocating engine exhaust gas and are available in six different grades. Burgess-Aarding offers the industrial grade model BMEI (15-20 dB), residential grade model BMER (20-25 dB), critical grade model BMEC (25-30), critical plus grade model BMA (30-35 dB) hospital grade model BEO (35-40 dB), and hospital plus grade model BEOA (40+ dB).

### Features:

- Noise reduction up to 40 dB
- Economically priced
- Long service life
- All welded steel construction for explosion resistant service

### Theory of Operation:

The Burgess-Aarding patented principle used in the design of Burgess-Aarding silencers involves passing gas flow through snubbing chambers. These snubbing chambers house an arrangement of ported tubes, which attenuate the noise to smooth, quiet flow.

### Specifications:

**Maximum Noise Attenuation:** 40 dB

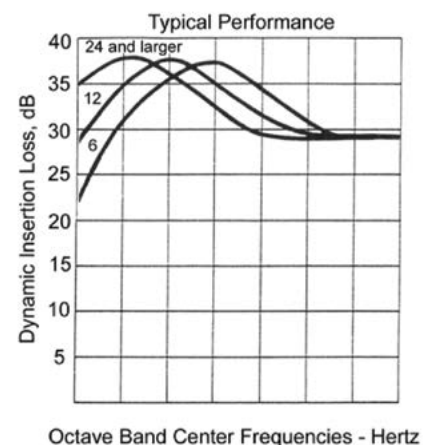
**Typical Sizes:** 1" - 48"

**Standard End Connections:** NPT or 125# ANSI Flanged

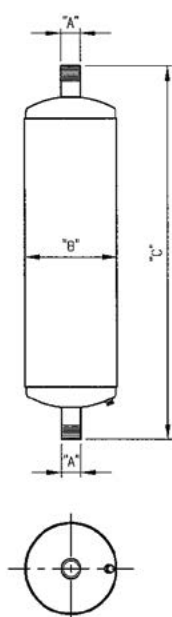
**Standard Material of Construction:** Carbon Steel

**Finish:** Prime Coated Exterior

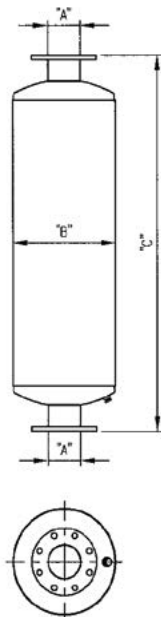
### Typical Burgess-Aarding reactive type silencer



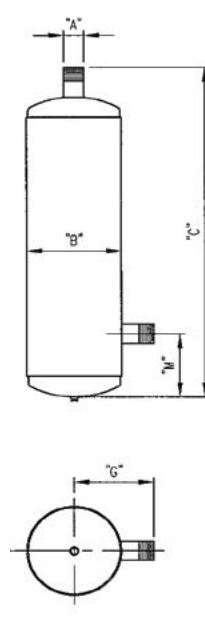
## MODEL BEO - Engine Exhaust Silencer



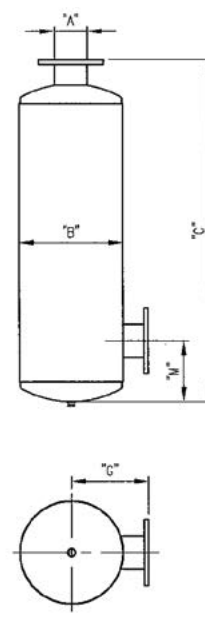
**BEO**  
Sizes 2 1/2" Thru 4"



**BEO**  
Sizes 5" Thru 48"



**BEO-L**  
Sizes 2 1/2" Thru 4"



**BEO-L, BEO-M & BEO-H**  
Sizes 5" Thru 48"

| Catalog Number | Dimensions in inches |    |     |                       |    |       |      |       |      |       |      | Estimated Weight in lbs. |                |
|----------------|----------------------|----|-----|-----------------------|----|-------|------|-------|------|-------|------|--------------------------|----------------|
|                | All Models           |    | BEO | BEO-L, BEO-M<br>BEO-H |    | M     |      |       |      |       |      | BEO<br>BEO-L             | BEO-M<br>BEO-H |
|                |                      |    |     |                       |    | BEO-L |      | BEO-M |      | BEO-H |      |                          |                |
|                | A                    | B  | C   | C                     | G  | Min.  | Max. | Min.  | Max. | Min.  | Max. |                          |                |
| BEO-2.5        | 2 1/2                | 10 | 42  | 40                    | 8  | 4 1/2 | 10   | —     | —    | —     | —    | 45                       | —              |
| BEO-3          | 3                    | 12 | 48  | 44                    | 10 | 5 1/2 | 10   | —     | —    | —     | —    | 70                       | —              |
| BEO-3.5        | 3 1/2                | 14 | 54  | 51                    | 11 | 6     | 12   | 20    | 28   | 34    | 40   | 95                       | 102            |
| BEO-4          | 4                    | 14 | 66  | 63                    | 11 | 6     | 16   | 23    | 38   | 42    | 52   | 120                      | 135            |
| BEO-5          | 5                    | 16 | 78  | 75                    | 11 | 7     | 22   | 28    | 47   | 49    | 64   | 190                      | 215            |
| BEO-6          | 6                    | 18 | 97  | 94                    | 12 | 8     | 29   | 36    | 60   | 61    | 82   | 270                      | 310            |
| BEO-8          | 8                    | 24 | 110 | 108                   | 15 | 10    | 34   | 46    | 68   | 70    | 94   | 455                      | 490            |
| BEO-10         | 10                   | 30 | 136 | 133                   | 18 | 12    | 40   | 54    | 82   | 90    | 119  | 830                      | 990            |
| BEO-12         | 12                   | 36 | 143 | 141                   | 21 | 14    | 46   | 36    | 88   | 93    | 124  | 1,135                    | 1,300          |
| BEO-14         | 14                   | 36 | 199 | 196                   | 22 | 15    | 69   | 76    | 129  | 127   | 178  | 1,545                    | 1,860          |
| BEO-16         | 16                   | 42 | 213 | 209                   | 25 | 17    | 68   | 84    | 134  | 137   | 189  | 2,205                    | 2,725          |
| BEO-18         | 18                   | 48 | 214 | 211                   | 28 | 19    | 68   | 85    | 135  | 139   | 189  | 3,200                    | 3,325          |
| BEO-20         | 20                   | 54 | 228 | 225                   | 31 | 21    | 68   | 93    | 142  | 153   | 201  | 3,700                    | 3,750          |
| BEO-22         | 22                   | 60 | 232 | 228                   | 35 | 23    | 74   | 89    | 141  | 149   | 201  | 5,050                    | 5,150          |

NOTES: - Flanges are drilled to match 125 lb. American Standard Flanges  
 - Larger units available upon request  
 - Specifications subject to change without notice

### Corporate Headquarters

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