

# CECO

## Burgess-Aarding

## LCV Vent Silencer

### Application:

For most air and gas vents and blowdown applications where upstream pressure of valve is less than 300 psia and/or upstream temperature of valve is less than 650°F. Vertical or horizontal installation.

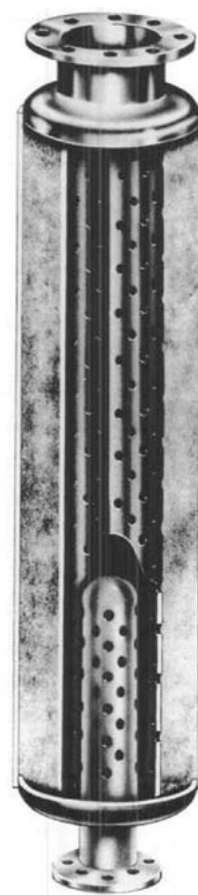
### Design:

Gas flow passes through an inlet diffuser and then past a perforated tube, surrounded by deep layers of sound absorbing material which attenuates vent noise particularly in the high frequency range with a minimum pressure drop.

### Construction:

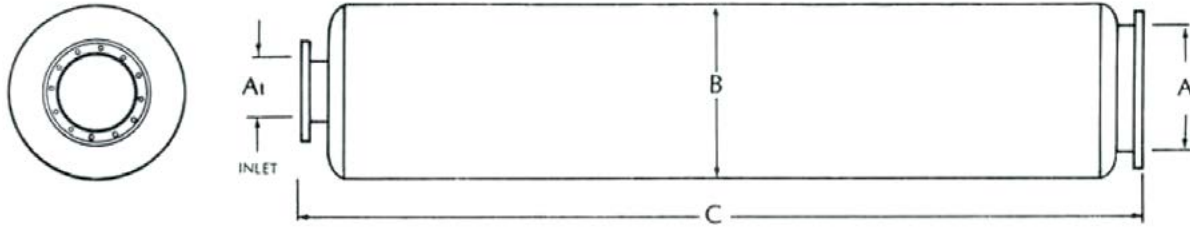
Silencer is of all-welded steel construction. Exterior surfaces are prime coated. Acoustic absorptive materials is fiberglass.

### Burgess-Aarding LCV Vent Silencer



### Typical Performance Dynamic Insertion Loss (DIL), dB

| Silencer Velocity, fpm | Octave Band Center Frequency Hz |     |     |     |    |    |    |    |
|------------------------|---------------------------------|-----|-----|-----|----|----|----|----|
|                        | 63                              | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
| 5000                   | 12                              | 21  | 30  | 37  | 40 | 39 | 36 | 27 |
| 10000                  | 15                              | 22  | 30  | 36  | 39 | 38 | 35 | 25 |
| 15000                  | 17                              | 23  | 29  | 34  | 37 | 36 | 33 | 23 |
| 20000                  | 17                              | 24  | 24  | 29  | 34 | 34 | 29 | 20 |



| Catalog Number | Dimensions in inches |    |    |     | Estimated Weight in lbs. |
|----------------|----------------------|----|----|-----|--------------------------|
|                | A <sub>1</sub>       | A  | B  | C   |                          |
| LVC-8          | 4                    | 8  | 14 | 57  | 145                      |
| LVC-10         | 6                    | 10 | 16 | 71  | 210                      |
| LVC-12         | 6                    | 12 | 18 | 81  | 295                      |
| LVC-14         | 8                    | 14 | 20 | 96  | 410                      |
| LVC-16         | 4                    | 16 | 22 | 108 | 525                      |
| LVC-18         | 10                   | 18 | 24 | 120 | 660                      |
| LVC-20         | 10                   | 20 | 26 | 133 | 885                      |
| LVC-22         | 12                   | 22 | 30 | 147 | 1185                     |
| LVC-24         | 12                   | 24 | 30 | 159 | 1235                     |
| LVC-26         | 12                   | 26 | 32 | 172 | 1325                     |
| LVC-28         | 14                   | 28 | 36 | 186 | 1675                     |
| LVC-30         | 14                   | 30 | 36 | 197 | 1775                     |
| LVC-32         | 16                   | 32 | 42 | 211 | 2600                     |
| LVC-36         | 18                   | 36 | 42 | 238 | 2900                     |
| LVC-42         | 20                   | 42 | 48 | 277 | 4500                     |
| LVC-48         | 24                   | 48 | 54 | 314 | 6250                     |

Flanges are drilled to match 125 lb. American Standard Flanges.  
Specifications subject to change without notice.

#### Corporate Headquarters

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