



# NOISE SUPPRESSOR

SERVICE to 500°F

- Standard sizes 3/8" to 8". Consult Factory for additional sizes
- Effective over a broad frequency band (up to 12,000 Hz)
- Noise attenuation up to 26 dBA
- Expansion fittings not required
- Straight through design minimizes pressure drop, permitting normal valve sizing

Canadian Registration # CSA-OH 6266.5R1C

## NOISE SUPPRESSORS

### APPLICATION DATA

- Steam Pressure Reduction Stations where Noise Reduction is Desired

### SUPPRESSOR ENDS

| INLET ANSI | OUTLET ANSI |
|------------|-------------|
| NPT        | NPT         |
| NPT        | 150#        |
| NPT        | 300#        |
| 150#       | 150#        |
| 300#       | 150#        |
| 300#       | 300#        |

NOTE: ANSI 150# Flanges are flat faced.

It is recommended that the Noise Suppressor be insulated to reduce condensation formation in the acoustic material.

SIZING INFO  
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## DIMENSIONS inches (mm) AND WEIGHTS pounds (kg) INLET SIZE 2½" TO 8"

| NOMINAL PIPE SIZE |             |             | D-INSTALLED LENGTH |               | APPROX. WEIGHT |              | Average Attenuation dBa† |
|-------------------|-------------|-------------|--------------------|---------------|----------------|--------------|--------------------------|
| A INLET           | B OUTLET    | C SHELL     | 150# x 150#        | 300# x 300#   | 150# x 150#    | 300# x 300#  |                          |
| 2½<br>(65)        | 4<br>(100)  | 6<br>(150)  | 47<br>(1010)       | 47<br>(1194)  | 97<br>(44)     | 109<br>(49)  | 16                       |
| 2½<br>(65)        | 5<br>(125)  | 6<br>(150)  | 47½<br>(1200)      | 48⅞<br>(1222) | 99<br>(45)     | 115<br>(52)  | 16                       |
| 3<br>(80)         | 4<br>(100)  | 6<br>(150)  | 47<br>(1009)       | 47¾<br>(1214) | 99<br>(45)     | 103<br>(47)  | 14                       |
| 3<br>(80)         | 5<br>(125)  | 6<br>(150)  | 47½<br>(1207)      | 48¼<br>(1227) | 101<br>(46)    | 119<br>(54)  | 14                       |
| 3<br>(80)         | 6<br>(150)  | 8<br>(200)  | 58⅞<br>(1488)      | 59⅝<br>(1506) | 150<br>(68)    | 181<br>(82)  | 19                       |
| 4<br>(100)        | 5<br>(125)  | 6<br>(150)  | 47¾<br>(1214)      | 48⅞<br>(1222) | 105<br>(48)    | 129<br>(59)  | 12                       |
| 4<br>(100)        | 6<br>(150)  | 8<br>(200)  | 54¾<br>(1392)      | 55½<br>(1410) | 162<br>(74)    | 178<br>(81)  | 16                       |
| 4<br>(100)        | 8<br>(200)  | 10<br>(250) | 66¼<br>(1684)      | 67<br>(1702)  | 256<br>(116)   | 299<br>(134) | 21                       |
| 5<br>(125)        | 6<br>(150)  | 8<br>(200)  | 55¼<br>(1405)      | 56<br>(1422)  | 180<br>(82)    | 167<br>(76)  | 14                       |
| 5<br>(125)        | 8<br>(200)  | 10<br>(250) | 66¾<br>(1696)      | 67½<br>(1715) | 289<br>(131)   | 247<br>(130) | 19                       |
| 5<br>(125)        | 10<br>(250) | 12<br>(300) | 89⅝<br>(2268)      | 90⅝<br>(2294) | 455<br>(207)   | 428<br>(194) | 26                       |
| 6<br>(150)        | 8<br>(200)  | 10<br>(350) | 66¾<br>(1697)      | 67½<br>(1715) | 295<br>(134)   | 299<br>(136) | 17                       |
| 6<br>(150)        | 10<br>(250) | 12<br>(300) | 83¾<br>(2129)      | 84¾<br>(2154) | 451<br>(205)   | 490<br>(222) | 24                       |
| 8<br>(200)        | 10<br>(250) | 12<br>(300) | 84¼<br>(2141)      | 85¼<br>(2166) | 468<br>(213)   | 507<br>(230) | 21                       |

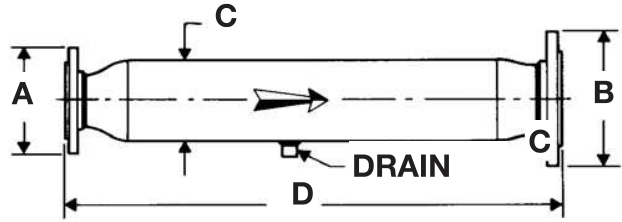
\* ±1/4" for 8" Shell and under, otherwise ± 3/8".

† Consult factory for specifics.

# NOISE SUPPRESSOR

## SPECIFICATION

Noise Suppression equipment shall be of the dissipative reactive type. Suppressor shall not induce back pressure. It shall have expanded outlet flange for attachment to downstream piping. Equipment shall provide a minimum of 10 dBA reduction in noise. Installation must be insulated.



## MATERIALS OF CONSTRUCTION

Pressure Shell .....Welded Steel Components  
Acoustic Material .....Stainless Steel

## MAXIMUM OUTLET VELOCITY

feet per minute  
(meters per minute)

| NOMINAL PIPE SIZE       | MAXIMUM VELOCITY |
|-------------------------|------------------|
| 0 - 2<br>(0 - 51)       | 17,000<br>(5182) |
| 2 1/2 - 8<br>(64 - 203) | 11,000<br>(3353) |
| >8<br>(>203)            | 9,000<br>(2734)  |

## DIMENSIONS inches (mm) AND WEIGHTS pounds (kg) INLET SIZES 3/8" TO 2"

| NOMINAL PIPE SIZE |               |               | D* -- INSTALLED LENGTH |                  |                  | APPROX. WEIGHT |             |             |             |             | Average Attenuation dBa† |
|-------------------|---------------|---------------|------------------------|------------------|------------------|----------------|-------------|-------------|-------------|-------------|--------------------------|
| A INLET           | B OUTLET      | C SHELL       | NPTxNPT                | 150x150#         | 300x300#         | NPT x NPT      | 150# x 150# | 300# x 300# | 150# x 150# | 300# x 300# |                          |
| 3/8<br>(10)       | 3/4<br>(20)   | 2<br>(50)     | 18<br>(457)            |                  |                  |                |             |             |             |             | 16                       |
| 3/8<br>(10)       | 1<br>(25)     | 2<br>(50)     | 18 5/16<br>(465)       |                  |                  |                |             |             |             |             | 16                       |
| 3/8<br>(10)       | 1 1/2<br>(40) | 3<br>(80)     | 26 5/8<br>(676)        |                  |                  |                |             |             |             |             | 22                       |
| 1/2<br>(15)       | 1<br>(25)     | 2<br>(50)     | 21 5/16<br>(541)       | 19 7/8<br>(505)  | 20 5/16<br>(516) |                |             |             | 12<br>(5.4) | 13<br>(5.9) | 12                       |
| 1/2<br>(15)       | 1 1/4<br>(32) | 2 1/2<br>(65) | 23 15/16<br>(608)      | 22 1/8<br>(561)  | 22 5/8<br>(575)  |                |             |             | 15<br>(6.8) | 17<br>(7.7) | 15                       |
| 1/2<br>(15)       | 1 1/2<br>(40) | 3<br>(80)     | 27 1/16<br>(687)       | 25 5/8<br>(650)  | 22 1/16<br>(662) | 19<br>(9)      | 26<br>(12)  | 29<br>(13)  |             |             | 20                       |
| 3/4<br>(20)       | 1 1/4<br>(32) | 3<br>(80)     | 28 3/8<br>(721)        | 26 5/8<br>(676)  | 27 1/8<br>(689)  | 19<br>(9)      | 25<br>(11)  | 28<br>(13)  |             |             | 16                       |
| 3/4<br>(20)       | 2<br>(50)     | 3<br>(80)     | 28 5/8<br>(727)        | 26 5/8<br>(676)  | 27 1/8<br>(689)  | 19<br>(9)      | 31<br>(14)  | 34<br>(15)  |             |             | 16                       |
| 1<br>(25)         | 1 1/2<br>(40) | 3<br>(80)     | 25 3/4<br>(654)        | 23 7/8<br>(607)  | 24 3/8<br>(619)  | 18<br>(8)      | 27<br>(12)  | 31<br>(14)  |             |             | 12                       |
| 1<br>(25)         | 2<br>(50)     | 4<br>(100)    | 36<br>(914)            | 34<br>(864)      | 34 1/2<br>(876)  | 28<br>(13)     | 33<br>(15)  | 36<br>(16)  |             |             | 13                       |
| 1 1/4<br>(32)     | 2<br>(50)     | 4<br>(100)    | 36 1/16<br>(916)       | 34 1/16<br>(86)  | 34 5/8<br>(889)  | 29<br>(13)     | 34<br>(15)  | 38<br>(17)  |             |             | 14                       |
| 1 1/4<br>(32)     | 3<br>(80)     | 4<br>(100)    |                        | 34 3/16<br>(872) | 35<br>(889)      |                | 34<br>(15)  | 39<br>(18)  |             |             | 14                       |
| 1 1/2<br>(40)     | 3<br>(80)     | 4<br>(100)    |                        | 31 7/16<br>(798) | 32 1/16<br>(814) |                | 31<br>(14)  | 34<br>(15)  |             |             | 12                       |
| 2<br>(50)         | 3<br>(80)     | 4<br>(100)    |                        | 31 1/2<br>(800)  | 32 1/8<br>(816)  |                | 37<br>(17)  | 45<br>(20)  |             |             | 10                       |
| 2<br>(50)         | 4<br>(100)    | 5<br>(125)    |                        | 39 3/4<br>(1010) | 40 3/8<br>(1026) |                | 67<br>(30)  | 69<br>(31)  |             |             | 14                       |

\* ±1/4" for 8" Shell and under, otherwise ± 3/8".

† Consult factory for specifics.