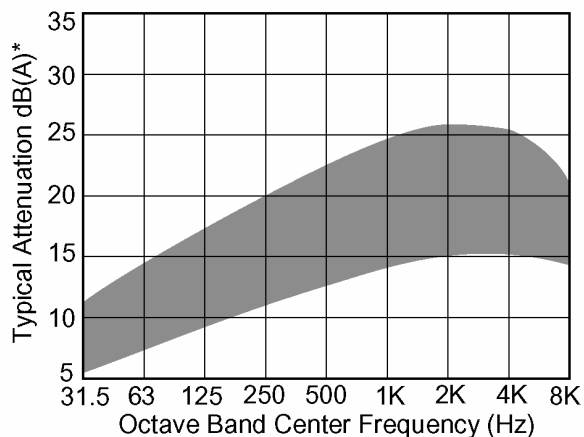


# TAYLOR® POWER SYSTEMS

## Space Saver Exhaust Silencers

### Typical Attenuation Curve dB(A)\*

(ACTUAL ATTENUATION MAY VARY ACCORDING TO APPLICATION)



\*Estimated

### Application:

Space Saver Silencers are recommended where space is limited and a medium to high degree of silencing is required.

### Construction:

**Aluminized Steel:** Silencers through 30" O.D. and larger are fabricated of aluminized steel as standard material. This material has a maximum operating temperature of 1250°F.

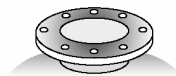
**Mild Steel/Aluminized Steel:** Silencers 30" O.D. and larger are fabricated of mild steel and aluminized steel. All silencers 30" O.D. and larger have aluminized steel bodies with all other components fabricated from mild steel.

**Silicone Aluminum Paint:** Silencers through 26" O.D. are given a coat of high heat resistant silicone aluminum paint.

**Primer/Silicone Aluminum Paint:** Silencers 30" O.D. and larger are given a coat of high heat, rust inhibiting primer and then a topcoat of high heat resistant silicone aluminum paint. Physical properties are maintained up to 900°F\* on aluminized steel and 1100°F\* on mild steel.

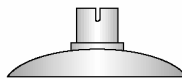
### Sample Specification:

The silencer is to be a Space Saver Silencer constructed of aluminized steel (26" body diameter and smaller) or mild steel/aluminized steel (larger than 26" body diameter) with all welded construction and suitable for mounting in any position.



### "F" Mounting Flange:

Standard in sizes 4" to 14". Drilling matches 125/150# ASA standard.

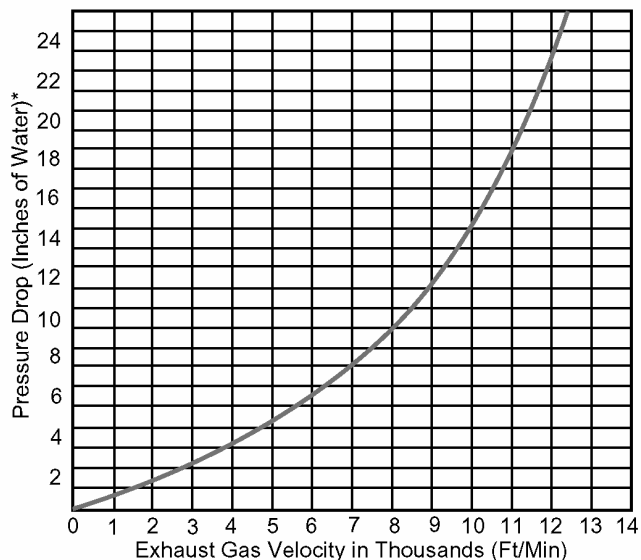


### "S" Slotted Pipe Ends:

Slotted ends offered in sizes 2" through 6".

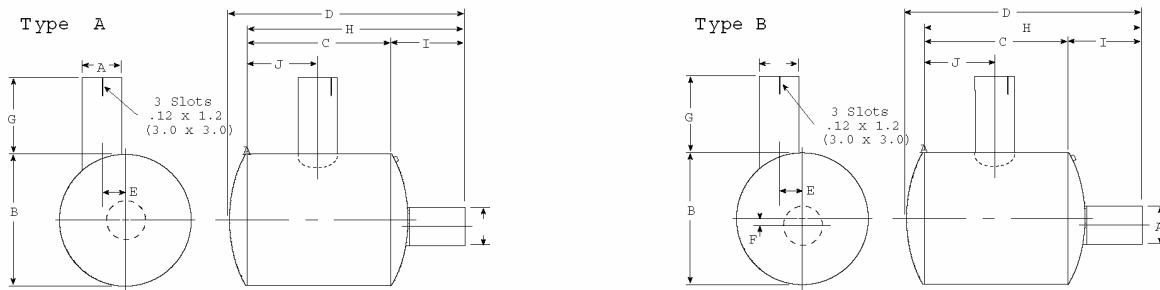
Companion flanges available for 4" to 22".

### Pressure Drop



\*Estimated

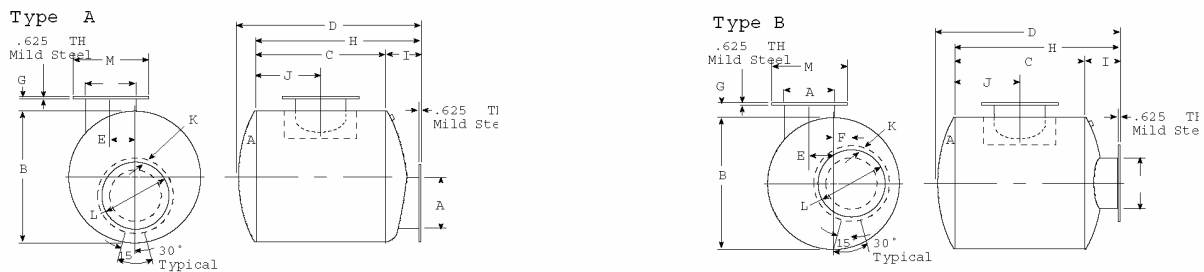
## Slotted Connections



| Part Number | A<br>Nominal<br>Inlet-<br>Outlet<br>Diameter | B<br>Body<br>Diameter<br>O.D. | C<br>Body<br>Length | D<br>Overall<br>Length | E<br>Offset<br>To<br>C/L | F<br>Offset<br>To<br>C/L | G<br>Inlet<br>Length | H<br>Body<br>Length<br>to End of<br>Tube | I<br>End<br>Flange<br>to End<br>of Tube | J<br>Offset<br>Body<br>Seam to<br>Inlet C/L |
|-------------|--|-------------------------------|---------------------|------------------------|--------------------------|--------------------------|----------------------|--|---|---|
| 47820S      | 2.0  | 7.00                          | 8.00                | 12.70                  | 1.1                      | 0                        | 4.0                  | 12.00                                    | 4.00                                    | 4.00  |
| 47825S      | 2.5  | 8.50                          | 8.50                | 13.33                  | 1.6                      | 0                        | 4.0                  | 12.50                                    | 4.00                                    | 4.25  |
| 47830S      | 3.0  | 12.11                         | 9.25                | 14.65                  | 0                        | 0                        | 4.0                  | 13.13                                    | 3.88                                    | 4.62  |
| 47835S      | 3.5  | 12.11                         | 12.00               | 19.42                  | 2.7                      | 0                        | 4.0                  | 18.00                                    | 6.00                                    | 6.00  |
| 47840S      | 4.0  | 12.11                         | 16.00               | 23.32                  | 2.4                      | 0                        | 4.0                  | 21.90                                    | 5.90                                    | 8.00  |
| 47850S      | 5.0  | 16.11                         | 16.50               | 23.89                  | 3.7                      | 0                        | 4.0                  | 22.40                                    | 5.90                                    | 8.20  |
| 47860S*     | 6.0  | 16.11                         | 22.00               | 29.49                  | 2.5                      | 1.5                      | 4.0                  | 28.00                                    | 6.00                                    | 11.00                                       |

\*Refer to Type B

## Flanged Connections



| Part Number | A<br>Nominal<br>Inlet-<br>Outlet<br>Diameter | B<br>Body<br>Dia.<br>O.D. | C<br>Body<br>Length | D<br>Overall<br>Length | E<br>Inlet<br>Offset<br>To<br>C/L | F<br>Outlet<br>Offset<br>To<br>C/L | G<br>Inlet<br>Length | H<br>Body<br>Length to<br>Mounting<br>Flange | I<br>End<br>Flange to<br>Mounting<br>Flange | J<br>Offset<br>Body<br>Seam to<br>Inlet C/L | K<br>Mounting<br>Flange<br>Bolt | L<br>Bolt<br>Hole<br>Circle<br>Diameter | M<br>Mounting<br>Flange<br>Diameter |
|-------------|--|---------------------------|---------------------|------------------------|-----------------------------------|------------------------------------|----------------------|--|---|---|---------------------------------|---|-------------------------------------|
| 47840F      | 4.0  | 12.11                     | 16.0                | 23.32                  | 2.40                              | 0                                  | 4.0                  | 21.9   | 5.9   | 8.0   | .750                            | 7.50                                    | 9.00                                |
| 47850F      | 5.0  | 16.11                     | 16.5                | 23.89                  | 3.70                              | 0                                  | 4.0                  | 22.4   | 5.9   | 8.3   | .875                            | 8.50                                    | 10.00                               |
| 47860F      | 6.0  | 16.11                     | 22.0                | 29.49                  | 2.50                              | 1.5                                | 4.0                  | 28.0   | 6.0   | 11.0  | .875                            | 9.50                                    | 11.00                               |
| 47880F      | 8.0  | 22.15                     | 25.0                | 36.28                  | 4.50                              | 3.4                                | 4.0                  | 33.0   | 8.0   | 12.5  | .875                            | 11.75                                   | 13.50                               |
| 47882F      | 10.0   | 26.15                     | 30.0                | 41.87                  | 4.42                              | 4.0                                | 4.0                  | 38.0   | 8.0   | 15.0  | 1.000                           | 14.25                                   | 16.00                               |
| 47884F*     | 12.0   | 30.21                     | 36.0                | 48.41                  | 3.58                              | 3.5                                | 4.0                  | 44.0   | 8.0   | 18.0  | 1.000                           | 17.00                                   | 19.00                               |
| 47886F*     | 14.0   | 36.21                     | 36.0                | 51.29                  | 6.50                              | 5.0                                | 4.0                  | 46.0   | 10.0  | 18.0  | 1.125                           | 18.75                                   | 21.00                               |

\*Refer to Type B

**Note: Specifications subject to change without notice.**

**Note: All dimensions are in inches.**

Designed for side-in end-out mounting, although either end may be used as an inlet. Use of end-in side-out may result in lower attenuation reductions. The use of the Space Saver Silencer and similar industry products may result in lower attenuation levels than our "300" level silencer due to design differences. Condensate drains standard on all units.