

## Silencer Selection

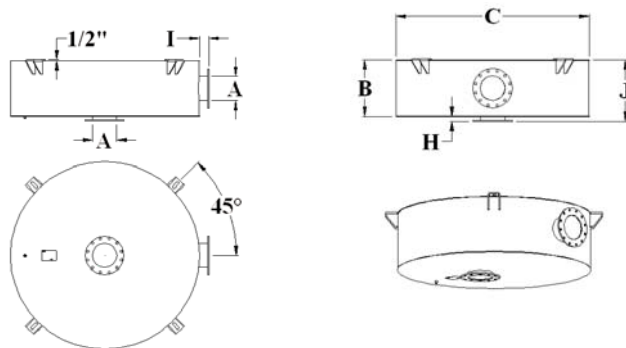
Call Silex for immediate assistance in selecting the appropriate silencer that best suits your application's acoustical and backpressure requirements or consult the silencer selection guide in our catalogue. You can also use Silex's exclusive Silencer Sizing and Selection Program "Silex Digital Engineer" found on the Company's secure website at [www.silex.com](http://www.silex.com).

## Application & Performance

The super critical grade Hockey Puck™ Ice series are combination silencers with very good acoustical performance. Designed specifically for enclosures and marine applications where silencer height is critical. The silencer is manufactured from carbon steel, thermally insulated, fully welded and finished with high temperature paint. 1/2" nominal diameter drain included.

## Dimensions

| Model    | A  | B        | C          | H      | I       | J        | Wgt         |
|----------|----|----------|------------|--------|---------|----------|-------------|
| HPSCI-4  | 4  | 10 (254) | 35 (889)   | 2 (51) | 4 (102) | 12 (305) | 198 (90)    |
| HPSCI-5  | 5  | 11 (279) | 41 (1041)  | 2 (51) | 4 (102) | 13 (330) | 268 (121)   |
| HPSCI-6  | 6  | 12 (305) | 50 (1270)  | 2 (51) | 4 (102) | 14 (356) | 382 (173)   |
| HPSCI-8  | 8  | 14 (356) | 58 (1473)  | 2 (51) | 4 (102) | 16 (406) | 659 (299)   |
| HPSCI-10 | 10 | 16 (406) | 70 (1778)  | 2 (51) | 4 (102) | 18 (457) | 954 (433)   |
| HPSCI-12 | 12 | 19 (483) | 78 (1981)  | 2 (51) | 4 (102) | 21 (533) | 1409 (639)  |
| HPSCI-14 | 14 | 24 (610) | 84 (2134)  | 3 (76) | 5 (127) | 27 (686) | 1803 (818)  |
| HPSCI-16 | 16 | 28 (711) | 88 (2235)  | 3 (76) | 5 (127) | 31 (787) | 2107 (956)  |
| HPSCI-18 | 18 | 30 (762) | 100 (2540) | 3 (76) | 5 (127) | 33 (838) | 2640 (1197) |
| HPSCI-20 | 20 | 32 (813) | 106 (2692) | 3 (76) | 5 (127) | 35 (889) | 3133 (1421) |



\* Distance from top of bracket to shell of silencer

## Options

- 304, 316 or 316L stainless steel, Corten Steel
- Dual inlet or Custom inlet/outlet configurations
- Thermal insulation blankets to suit all configurations
- Mounting brackets available, top bracket (BT), bottom bracket (BB) & overtop bracket (BO)
- Flush mount inlet(s) (FMI) available

Metric dimensions rounded to nearest mm.

Dimensions and weights are nominal and may vary slightly in production models.

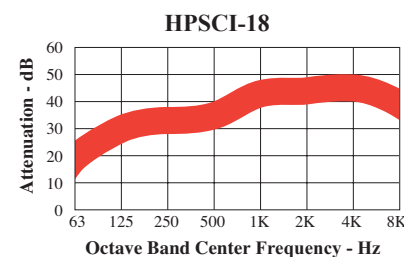
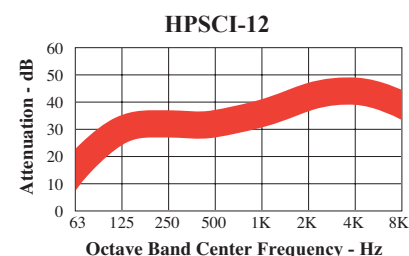
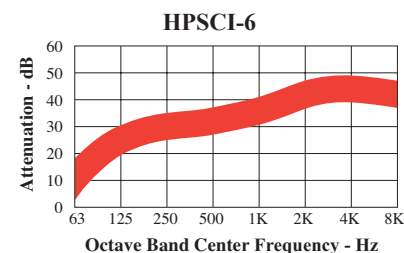
On silencers 4" and larger the inlet and outlet are flanged, manufactured from minimum 1/2" thick plate and drilled to ANSI class 150.

## HPSCI Series

30 - 38 dBA

## Super Critical Grade Ice Series

## Typical Attenuation Curve



|             | Insulation Thickness | Thermal Performance** | Acoustic Performance |             |
|-------------|----------------------|-----------------------|----------------------|-------------|
| Uninsulated | 0"                   | N/A                   | Critical             | 12 - 30 dBA |
|             |                      |                       | Super Critical       | 30 - 35 dBA |
| Cool*       | 1"                   | Good                  | Critical             | 25 - 32 dBA |
|             |                      |                       | Super Critical       | 30 - 37 dBA |
|             |                      |                       | Hospital             | 35 - 40 dBA |
| Cold*       | 2"                   | Superior              | Critical             | 25 - 32 dBA |
|             |                      |                       | Super Critical       | 30 - 37 dBA |
| Ice*        | 2"                   | Optimal               | Critical             | 25 - 34 dBA |
|             |                      |                       | Super Critical       | 30 - 38 dBA |
|             |                      |                       | Hospital             | 30 - 42 dBA |

\*Insulated from top, bottom and all sides.

\*\*Intended for heat reduction. Silex recommends insulation blankets for applications requiring personnel protection.



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