

Model NSB (Noise Suppression Baffle)

Model NSB suspended baffles provide an excellent means of allowing large quantities of acoustically absorptive material to be uniformly distributed throughout an area.

Since the materials used in constructing most manufacturing facilities are very hard, reverberant noise can seriously aggravate an already noisy environment. *Reverberant Noise* is sound energy radiating from a source (production machinery) which impacts on surrounding hard surfaces, amplifies and then is reflected back toward the source. Although full enclosures are most effective in controlling noise, (see Model QCC Quilted Curtain Composites) sometimes they are not feasible. In these situations, Model NSB suspended baffles can effectively reduce ambient noise levels by up to 10 dB. In many cases this reduction is sufficient to significantly reduce an employee's Time Weighted Average (TWA) thus increasing productivity and minimizing administrative solutions.

Benefits:

- ◆ **NRC** - Up to 0.64.
- ◆ **Excellent Performance** - up to 10 dB reduction of reverberant noise energy.
- ◆ **Maintenance Free** - hang and forget.
- ◆ **Moisture Resistant** - will not absorb moisture.
- ◆ **Environment Safe** - Lead and asbestos free.
- ◆ **Facings** - Poly wrapped and quilted fiberglass.
- ◆ **Custom Styles & Colors** - standard color is opaque white (see drawing on reverse side for standard style).
- ◆ **Light Reflective** - Light colors help maintain overhead lighting.
- ◆ **Permanent** - Will not rot, decay, shrink, or degrade.



Benefits Continued:

- ◆ **Easy Installation** - using standard "S" hooks, wire or cable ties.
- ◆ **Fire Retardant**
- ◆ **Cleanable**

Applications:

- ◆ **Manufacturing Facilities**
- ◆ **Indoor Swimming Pools**
- ◆ **Gymnasiums**
- ◆ **Additional Absorption to Model QCC Curtain Systems**
- ◆ **Locations Where Treatment of Excessive Reverberant Noise is Required**

NSTI designs custom noise control solutions for your specific applications.



Noise Suppression Technologies, Inc.
Model NSB - Performance Data



Specifications:

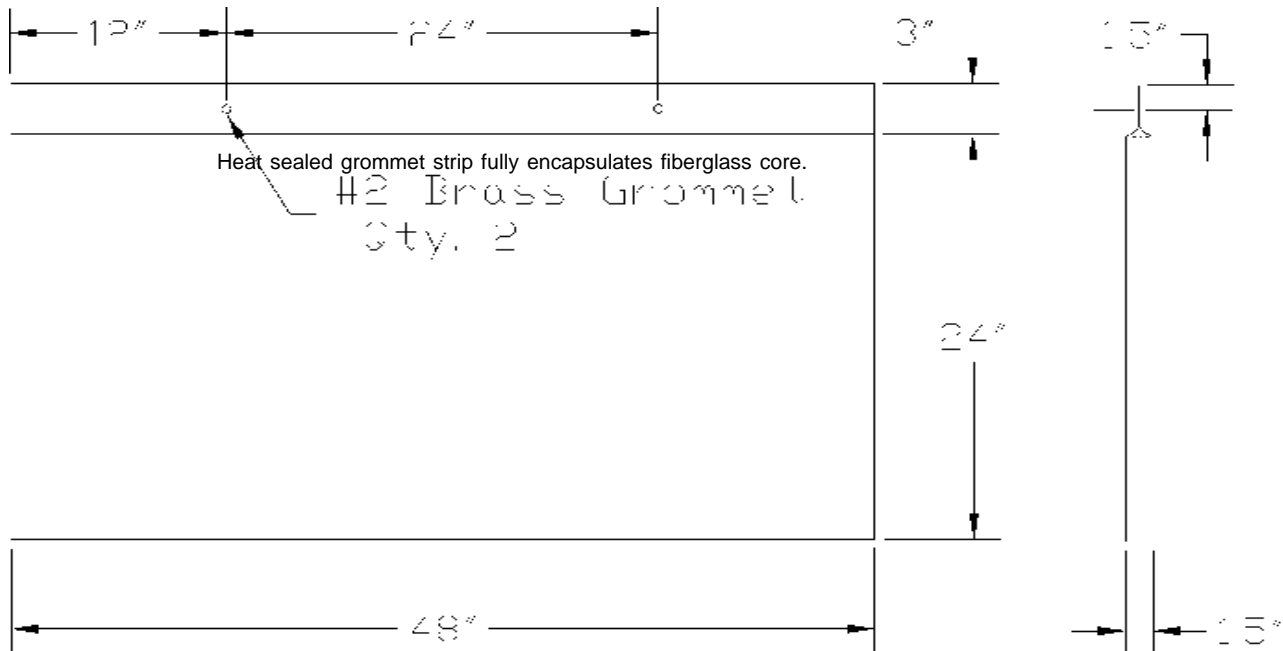
Model NSB's core shall be 1.07 PCF density with a nominal thickness of 1.5". The fiberglass shall be rated at NRC 0.64 for 1.5" thickness.

Model NSB's core shall be encapsulated in a 2 mil thick fire retardant opaque white polyethylene covering.

Sound Data:

Frequency(Hz)	125	250	500	1000	2000	4000	NRC
Absorption Coefficient	0.13	0.36	0.68	0.82	0.68	0.43	0.64
Sabins per Baffle	2.3	6.3	11.9	14.4	11.9	7.5	11.2

Physical Dimensions:



NSTI believes the information contained herein to be accurate as of the publication date. Actual product performance may vary based on specific application conditions.

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NSB
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