

Baffles

Acoustic Absorption for Ceilings



Baffles are simple and economical to install with minimal maintenance.

The Standard Baffle is designed to provide maximum acoustic absorption at the lowest cost.

Available in two size 24" x 24" x 1-1/2" or 24" x 48" x 1-1/2". Baffles are lightweight, washable and light reflective.

They are made up of a loosely wrapped, flexible, soft white 2 mil film enclosing at 1.5 Lb. cu. ft. semi rigid acoustic glass fiber core. The ends are welded and sealed to exclude dirt and moisture. They may be ordered ready to hang from the 24" side or the 48" side, fitted with either two or three chrome plated brass grommets accordingly. Baffles are packed in 8 and 15 per carton. Other types are available at extra cost, reinforced and scrim wrapped for arduous environments are fire retardant PVC plain and colored films.

Hanging options include 8-1/2" or 9" "S type" 16 GA galvanized steel wire hooks for hanging of the cable strings and with extra grommets on the underside of the baffle for use with a wind stabilizing in two gauge, clamps, turnbuckles, hangers, special hooks and stickpins.

Baffles are noninvasive of the work area. Easily installed using a wire hook support / hung onto a cable stretch between walls, columns or truss areas. Stand-off hooks or stickpins and caps available for wall attachment applications.

Baffles effectively control the sound field by lowering the reverberation time and reduce the amount of reflective surfaces within the space. Baffles systems greatly improve the comfort within the workplace by reducing stress. The Baffles are easily moved or repositioned to accommodate equipment and space changes in the work area; may be quickly taken down and reinstalled for cleaning or maintenance. The patterns and spacing are readily modified to allow sprinklers and lighting requirement restrictions.

Special sizes and food grade covers such as tedlar are available custom fabricated use in areas required resistance to bacteria and fungicidal growth E.G. Food processing operations, breweries, hospitals and animal shelters.



SPACING

The optimum number of baffles placed in a space is approximately equal to a value of 10% of the square footage.

They maybe hung in rows or box patterns and less than 51" for rows which will then allow denser packing and improving results. When baffles are installed at or below the lights and sprinkler positions, attention must be paid in arranging the rows and patterns to minimize any interference.

The wire hook attachment allows baffles to be easily adjusted along the cable or rearranged to accommodate any requirement or obstruction.

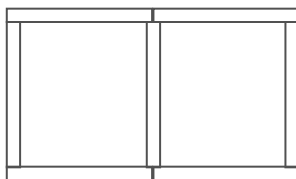
TYPICAL INSTALLATION PATTERNS



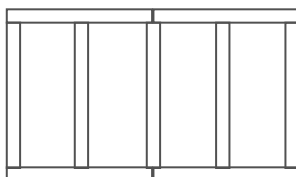
LOW
DENSITY
ROW



MEDIUM
DENSITY
ROW



STANDARD
BOX



HIGH
DENSITY
BOX

HARDWARE OPTIONS

A complete range of attachment hardware is available including:

- Turnbuckle for support cable tensioning.
- 1/16" Galvanized aircraft cable for stringing support cables.
- Insulation pins and 'Peel & Stick' pins with various caps and covers.
- Heavy duty 'S hooks' for hanging off pipes and truss structures.
- Stainless steel wall stand-off threaded one end hook 'C' clamps, ceiling flanges and eye hooks for cable stringing attachments.

SIZING

Standard Baffles measure 24" x 48" x 1-1/2". Available without grommets for wall installations. Non-standard sizes can be made to order.

Baffle performance is best with frequencies above 500Hz.

HERTZ	125	250	500	1000	2000	4000
SABINS	2.5	4.7	8.3	10.6	10.3	7.4

Packing packed 10 Baffles per carton. Weight is approximately 20 Lbs. per carton.

