

StudioTrap™



- ◆ Vocal range gobo weighing 28 lbs
- ◆ Rotate to dial desired treble ambience
- ◆ Easy locking height adjustment
- ◆ Durable tripod base
- ◆ Variety of fabric colors
- ◆ Perforated reflector for near-field diffractive diffusion
- ◆ 4.5 octaves, treble diffusion 4 to 7kHz
- ◆ Chrome Buttons mark reflector's position

Multi Purpose Acoustic Control

StudioTraps are a powerful and versatile tool for the recording industry. These Traps not only absorb sound energy, but create diffusion to give the room a more defined and natural sound. The front half of the StudioTrap cylinder is treble reflective to give a bright, diffusive backscatter for recording with enhanced presence. The back half is treble absorptive for the traditional dry recording. StudioTraps are sold individually or as part of the ATTACK WALL or QUICK SOUND FIELD package. Each unit measures 9" in diameter by 49" long and can extend from a height of 54" to as high as 74". StudioTraps are available in a wide variety of colors.

Portable and Powerful Too

The StudioTrap is designed as a gobo for the modern studio. It is a powerful addition to the live room inventory of the downtown studio or as the only equipment in a project or home studio. Unlike those giant homemade plywood and foam gobos that reflect bass and absorb the treble, the StudioTrap absorbs the bass and reflects the treble. These Traps are small but they can be set



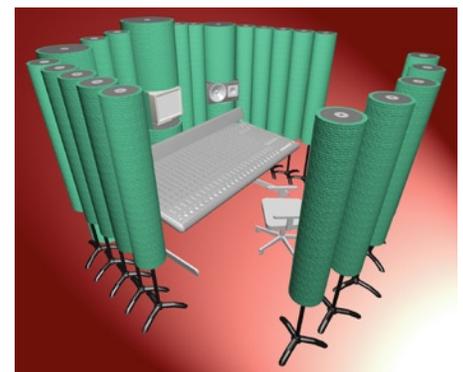
alongside each other to form an iso-wall. Or, by opening up the space between them we achieve cross-talk bleeding, i.e., a premix at the acoustic level. The range of applications for the StudioTrap is as broad as the work and imagination of the engineer. The tripod base keeps the Traps stable even in a jungle of cables and stands. Pack them together for a solid wall effect, then raise or lower the wall as a whole. Rotate the Traps to adjust the quality and direction of reflectivity in the treble range. For the bright wall or window, space the Traps on 2-3 ft centers, alternate their height for increased area control. Orient reflectors towards the wall for a dark but diffusive return. Rotate

reflectors into the room for a bright and diffusive return.



Attack Wall Application

Wrap the console with StudioTraps and add a few behind the mix position to create a separate acoustic subspace, independent of the room. The absorbing side of the Traps face the engineer to stop those early reflections. The reflecting side of the Traps face the walls of the room to provide a time delayed diffusive ambience kick. Speakers are mounted on Monitor Traps which decouple the midfield monitor from the vertical modes of the room. The speakers are snug fit into an acoustic wall formed by Studio Traps. The resulting ATTACK WALL opens at the floor and ceiling to provide venting for the bass wave just prior to impact which further reduces (LF) coupling to the vertical modes. Best of all, it makes any room into a consistently reliable environment.



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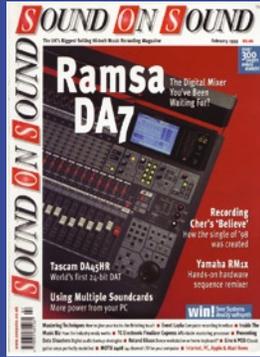
www.acousticssciences.com

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StudioTrap™

SPECIFICATIONS

“Studio Traps allow you to alter the



acoustics of any room in minutes so you can quickly deal with troublesome rooms or acoustically separate live mics from one another...”

Martin Walker
Sound on Sound Magazine
Product Review



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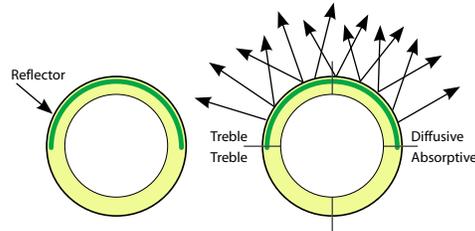
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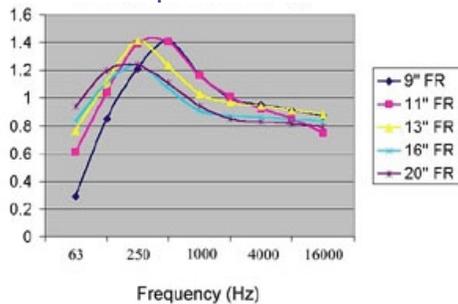
Fully Adjustable Reflectivity



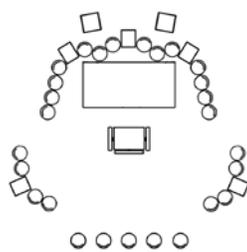
Standard StudioTrap

Diameter	9"
Trap Height	4 feet
Max. Extended Ht.	74"
Absorption	9 Sabins over 6 octave bandwidth per 4ft tube, corner loaded
Diffusion	Adjustable mid-range diffusion above 400 Hz
Rolloff	6dB per octave roll off, 3dB down at 110Hz
Fire Rating	Class 1 fire rated ASTM E-84
Colors	Guilford 701
Warranty	1 year parts and labor

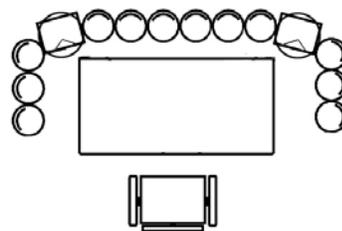
Full Round Absorption Coefficients



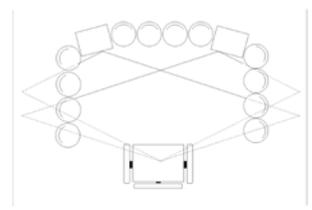
Typical Attack Wall Arrays



5.2 Layout

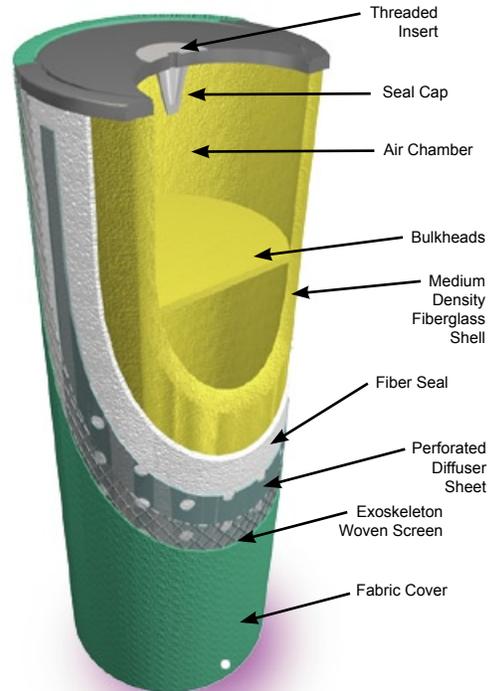


Basic Layout



2.0 Layout

Basic Construction



Backscatter Diffusion

