

# SPECulations



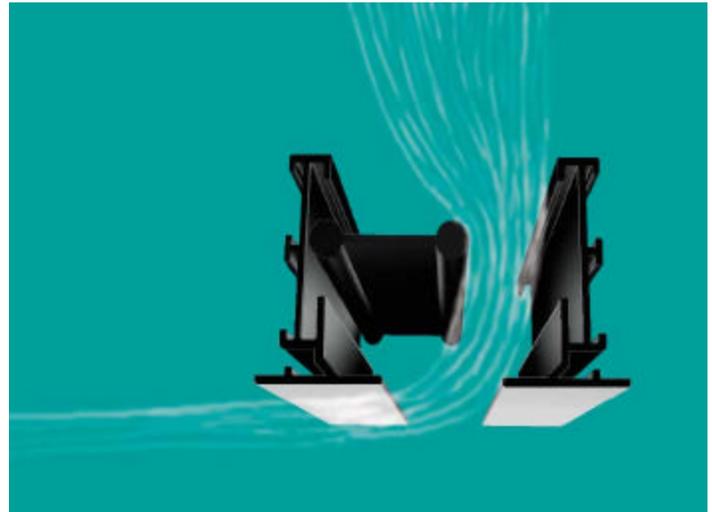
A Periodic Newsletter for Design Professionals  
About Innovative Products and Ideas Worthy of Specification Consideration

April  
1999

This  
Issue

## TITUS FlowBar Diffusers

**Where your imagination is the only limitation!**



### OVERVIEW

TITUS' FlowBar is a continuous linear slot system which uniquely appeals to both Engineers and Architects. Engineers enjoy the luxury of designing an air distribution system that delivers optimum performance while architects love the beauty of FlowBar's inconspicuous and complementary appearance.

FlowBar offers numerous frame styles to complement various ceiling types. The FlowBar system supports and is directly connected to the ceiling support components, ensuring straight and true installations. The FlowBar system is installed during the ceiling installation with unique clip and hanger support systems. Section lengths up to 12 feet are standard to minimize joints in long runs. Systems are available curved or with mitered corners and tees. Butt ends are also available.

FlowBar is manufactured using only heavy wall extruded aluminum, with slot sizes of 1", 1½", 2", 2½" and 3" available. The standard finish is flat black for interior surfaces exposed to view and white for exposed flanges. Integral pattern controllers are on standard 24" centers, allowing them to be alternated front and back for directed horizontal air flow, or centered for vertical delivery. The system also allows supply, return and exhaust air all from one diffuser, reducing ceiling clutter and greatly improving aesthetics. The FlowBar system is available in continuous, incremental and square configurations.

### ADVANTAGES

When specifying a linear diffuser system, remember more architects prefer TITUS FlowBar over any other brand for several reasons:

- 1) Custom Curving:** When your project demands twists and turns, circles and more, FlowBar can be specially ordered shaped and curved to your exact specifications. It truly allows your imagination to run free, with beautiful results (see photo at left, above).
- 2) More CFM per foot:** FlowBar boasts the highest capacity of any linear system, giving you more flexibility for aesthetics while maintaining proper air volume.
- 3) Extremely Quiet:** While other brands whistle and roar, FlowBar operates at a whisper level. If you go through the trouble of designing an air delivery system that is nearly invisible, why draw attention to it with distracting noises?
- 4) Fewer Joints:** FlowBar is available up to 12' long, offering fewer seams and better uniformity in appearance.
- 5) Visually Pleasing:** Aesthetically, FlowBar beautifully integrates into the ceiling because it is designed to be part of the ceiling system. Hole covers become a thing of the past.

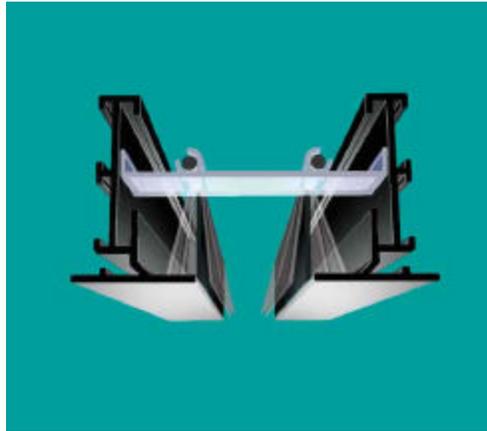
# Which TITUS FlowBar is your Best Choice?

## HighThrow



The HighThrow pattern controller allows air to be directed to the left or right, as well as downward when installed in a ceiling system. As air is directed in either direction horizontally, a surface effect is maintained, even at reduced volumes, to provide room air motion without drafts. This, along with its high induction characteristics, makes HighThrow an excellent choice for variable volume systems.

## JetThrow



The JetThrow pattern controllers allow the airstream to be jetted in a vertical direction when installed in a ceiling and a horizontal direction when in a side wall. It is designed for those situations where extended throw is required, as in high bay applications and perimeter zones requiring vertical projection so heated air can be directed downward. JetThrow (with nonadjustable pattern controllers) is also available for curved FlowBar applications.

*Another perSPECTive...*



By Dave McIntyre

When you've got a building to design, don't allow the air distribution to be something that holds back your creativity. Instead, allow the air distribution system to be the catalyst to let your imagination soar to new heights of possibilities. What type of air distribution can achieve all this? **TITUS FlowBar.**

From S curves to full circles, **FlowBar** can be fashioned to meet the most discriminate of designs. Flexibility combined with beauty is the trademark of ceilings incorporating **FlowBar.**

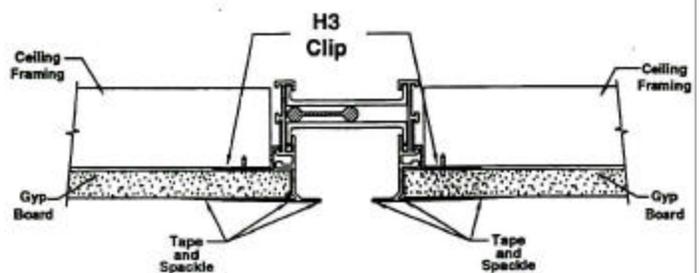
Products that inspire a creative exchange of ideas between architect and consultant are rare. Specify **FlowBar** and let its aesthetic appeal open doors to productive and profitable dialog!

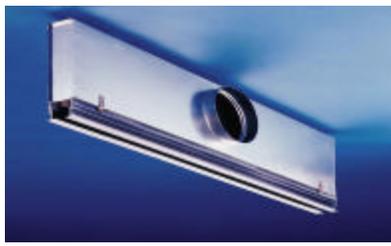


## Border 22, the "Invisible" choice

The FlowBar border 22 tapered frame and slot opening lip creates the cleanest linear installation possible. Once set into the ceiling structure, the flanges are completely covered by drywall tape and spackle, leaving only the air slot visible. This very popular model allows the designer full flexibility while complimenting the architect's fluid concept and form. Border 22 can be factory curved and cut to exact specifications; making it your best choice for inconspicuous air distribution design (see installation illustration at right).

### Hard Ceiling Border 22





FlowBar is available in custom colors or anodized finishes (upper left). Additional complimentary diffusers include the ModuFlow (lower left) and the FlowTee slot diffuser (upper and lower right).

## Local Availability!

Have a fast track project or a job in a pinch? Don't accept substitutes!

Many popular sizes and styles of **FlowBar** are stocked right here in Southern California. Even local custom curving is available when time is truly of the essence.

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**FlowBar**. It makes you and your projects look good!



## What do Contractors and Architects say about FlowBar?

“We prefer FlowBar because it installs 5 times faster than other brands and it coordinates perfectly with the ceiling trade.” **Roger Bartling, General Foreman, A.O. Reed, San Diego**

“I don't know of another product available that comes close to FlowBar's clean look and performance characteristics. The city is very pleased with the product.”

**Paul Murdoch, Brentwood Library architect, Paul Murdoch Architects, Los Angeles**

### Benefits to the Engineer

- ◆ **Flexibility** Plenums may be placed where needed for the room load, even when the architect wants a continuous linear look.
- ◆ **Versatility** Supply and return may be on the same slot. Pattern controllers can be set to flow to the right, left or down, every 24”.
- ◆ **Higher Capacity** FlowBar handles more CFM per foot than other linear diffusers. A single slot FlowBar can often handle the same amount of air as a 3 slot conventional linear.
- ◆ **Options** Multiple border types, factory cutting and/or curving, side wall mounting and custom finishes mean total design flexibility.
- ◆ **Performance** FlowBar's fixed aspect ratio ensures the engineer will achieve the intended design performance. TITUS Teams® software allows instantaneous ADPI performance calculations for any room condition.
- ◆ **Partnership** By specifying FlowBar, you demonstrate to both the architect and the owner your ability to preserve appearance without sacrificing performance.

### Benefits to the Owner/Contractor

- ◆ **Seamless Interface** FlowBar integrates with the ceiling system, actually becoming a structural part of the ceiling itself.
- ◆ **Quiet Beauty** Owners will like the appearance and the quiet, efficient operation. Another plus is the reduction of complaints from air drafts and noise.
- ◆ **Installed Value** FlowBar's unique mounting clip installation method installs in a fraction of the time required by other linear systems. By substantially reducing the cost of installation, it is the most cost efficient linear system available.
- ◆ **Labor Savings** FlowBar installs completely in a single phase, directly into the ceiling framing system for added strength. No return trips to finish the installation.
- ◆ **Simple Attachment** FlowBar plenums easily and quickly snap into place. No clumsy concealed fasteners or tricky field leveling required.
- ◆ **Adaptable** FlowBar is easily cut in the field to exact dimensions to suit changing field requirements, all without special tools.

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