



Flow Bar

Overview

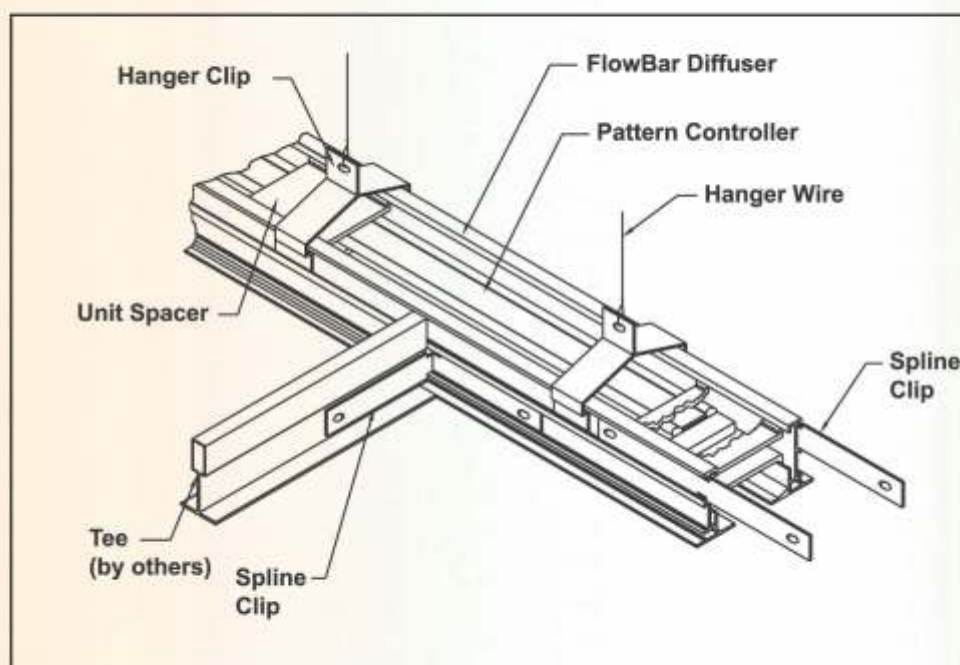
The FlowBar™ architectural linear diffuser system maximizes engineering performance without sacrificing aesthetic considerations for the designer. FlowBar's outstanding performance allows higher air flows than conventional linear diffusers, with lower noise levels, making it ideal for high profile designs.

FlowBar also offers an installation alternative to the conventional linear diffuser. Conventional linear diffusers are supported by the duct system and in most cases are installed after the ceiling system is in place. For complete ceiling integration, the FlowBar system is offered with a large selection of flange styles compatible with various ceiling applications. Our unique clip/hanger support system allows for quick and easy installations.

The FlowBar system actually supports and becomes an integral part of the ceiling system and is installed along with the ceiling suspension system.

Titus FlowBar offers a new concept of air distribution that fully integrates with all ceiling systems. The FlowBar system is available in continuous linear, incremental linear and square configurations. This entire series of diffusers is available with two unique pattern controllers.

FlowBar with T-Bar Ceiling



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.

The JetThrow pattern controller allows the airstream to be directed to meet required comfort conditions. JetThrow is an excellent choice for high bay applications, perimeter zones requiring vertical projection and for side wall applications requiring extended throw.

Both HighThrow and JetThrow pattern controllers can be combined within a single FlowBar system.

ADDITIONAL FEATURES OF THE TITUS FLOWBAR SYSTEM INCLUDE:

- Single slot, large capacity linear diffuser offers the designer an alternative to other multi-slot linear diffusers
- Supports and fully integrates with various ceiling systems
- Reduces costs and installation difficulties associated with conventional linear diffusers
- Manufactured entirely from heavy wall extruded aluminum
- Available in 6-foot or 12-foot segments
- Standard accessories ensure straight and true installations
- All FlowBar models are available custom curved to meet designer's requirements
- QuickClip® Mounting option allows installation after hard ceiling is installed



FlowBar Linear

FB - HighThrow

- The FlowBar linear system is a continuous slot system which allows the air distribution to become inconspicuous, while fully integrating and complementing the ceiling system and other ceiling components
- Several frame styles are available 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
- Standard slot sizes are 1, 1½, 2, 2½ and 3 inches. Section lengths up to 12 feet are standard to minimize joints in long runs.
- All FlowBar linear systems are available curved
- Mitered corners, mitered tees and butt ends are available
- Standard finish is flat black for interior surfaces exposed to view and white for exposed flanges, with optional anodized finishes and custom colors available

AVAILABLE MODELS:

FL- 1" Slot / HighThrow Option
 FL- 1½" Slot / HighThrow Option
 FL- 2" Slot / HighThrow Option
 FL- 2½" Slot / HighThrow Option
 FL- 3" Slot / HighThrow Option

FINISHES

Standard Finish - #26 White Border (Black pattern controllers)
 Optional Finish - Optional & anodized finishes available
 Note: Border 22 and 55 are finished in #84 Black

OVERVIEW

Titus FlowBar architectural linear diffuser system maximizes engineering performance without sacrificing aesthetic considerations for the designer. FlowBar's outstanding performance allows higher airflows than conventional linear diffusers. The wide array of slot widths allow for more CFM per linear foot while minimizing noise and pressure loss. The Flowbar system is available in continuous linear, incremental linear and square configurations.

ADVANTAGES

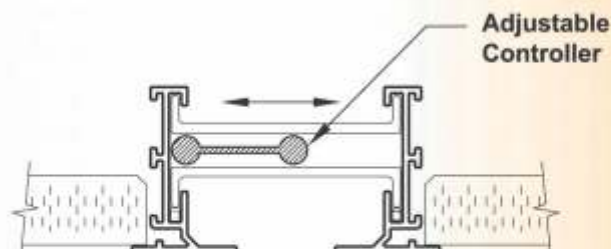
- Integral pattern controllers are on standard 24" centers, allowing the airstream to be directed left and right for horizontal and vertical airflow
- FlowBar system allows supply, return and exhaust air all from one diffuser, reducing ceiling clutter



FLOWBAR - HIGHTHROW

- Integral pattern controllers are on standard 24" centers, allowing the airstream to be directed left and right for horizontal and vertical airflow

HighThrow Series



- FlowBar systems satisfy both the architect's and engineer's requirements for designing an air distribution system that will maintain optimum room air conditions while being inconspicuous to the viewer

FlowBar Linear (continued)

JFB - JetThrow

- This series is identical to the HighThrow series except for the pattern controllers
- JetThrow with nonadjustable pattern controllers is also available for curved FlowBar applications
- JetThrow pattern controllers are manufactured using only heavy wall extruded aluminum
- Standard finish is a white face with a flat black interior. Anodized finishes and custom colors are available.

AVAILABLE MODELS:

JFB - 1" Slot / JetThrow Option
 JFB - 1½" Slot / JetThrow Option
 JFB - 2" Slot / JetThrow Option
 JFB - 2½" Slot / JetThrow Option
 JFB - 3" Slot / JetThrow Option

FINISHES

Standard Finish - #26 White Border (Black pattern controllers)
 Optional Finish - Optional & anodized finishes available
 Note: Border 22 and 55 are finished in #84 Black

OVERVIEW

Titus FlowBar architectural linear diffuser system maximizes engineering performance without sacrificing aesthetic considerations for the designer. FlowBar's outstanding performance allows higher airflows than conventional linear diffusers. The wide array of slot widths allow for more CFM per linear foot while minimizing noise and pressure loss. The Flowbar system is available in continuous linear, incremental linear and square configurations.

ADVANTAGES

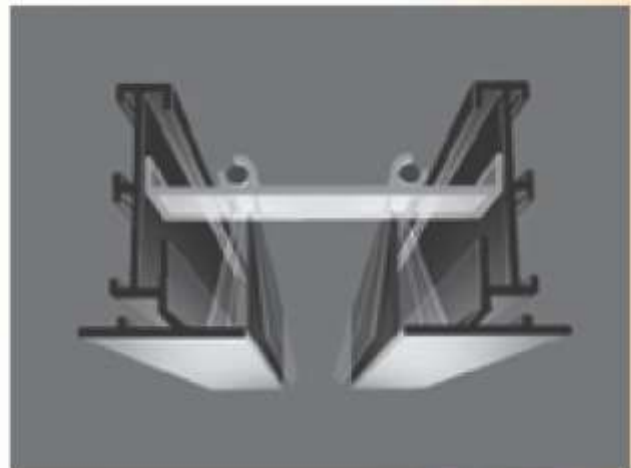
- The optional JetThrow pattern controllers allow the airstream to be jetted in a vertical direction when installed in a ceiling and horizontal when installed in a side wall application. The pattern controllers also allow the airstream to be directed left or right when in a ceiling application, and up or down when in a side wall application.

FLOWBAR INSTALLATIONS

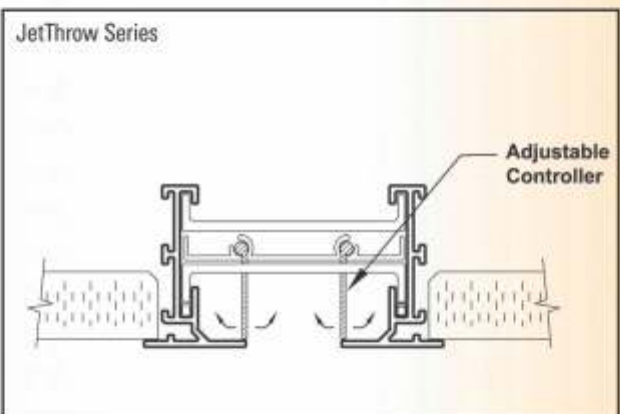
FlowBar is designed to fully integrate into the ceiling system.

The FlowBar system, with the exception of Border 77, is installed during the ceiling installation with unique mounting clips. Border 77 is installed after the drywall is in place.

Available in up to 12-foot lengths, FlowBar is straighter and often less expensive to install than conventional linear diffusers.



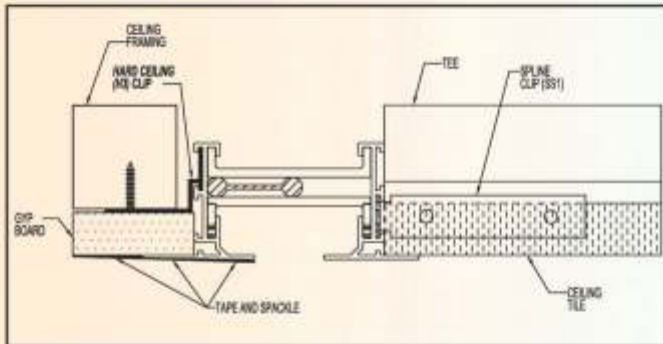
FLOWBAR - JETTHROW



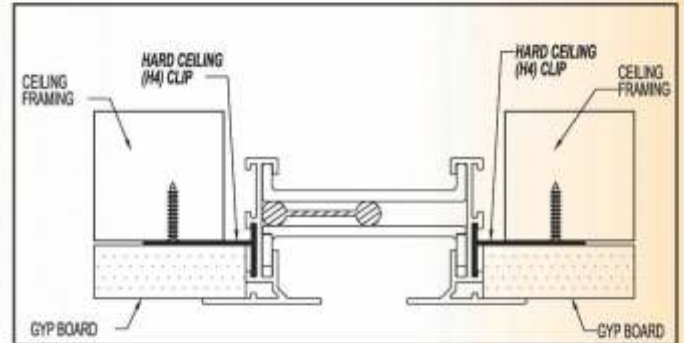
- JetThrow pattern controllers are an excellent choice where extended throw is required as in high bay applications for heated and/or cooled air. This product is also useful along perimeter walls where heated air can be directed downward, terminating at the floor at a comfortable velocity.
- JetThrow pattern controllers can be alternated with the standard HighThrow pattern controllers. For cold climate applications, heated air can be directed to the floor while cooled air is directed horizontally across the ceiling, all from the same FlowBar.



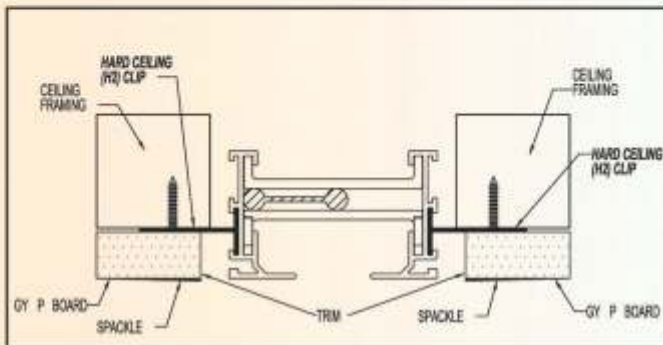
HARD CEILING APPLICATIONS



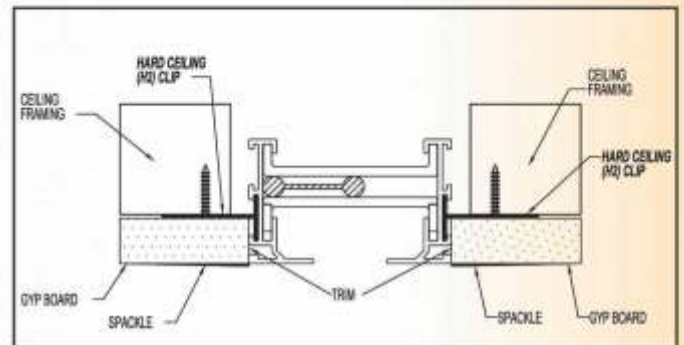
Ceiling / Ceiling - Border 26



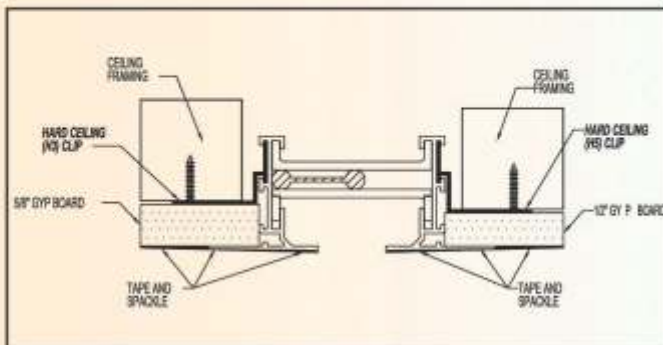
Ceiling / Ceiling - Border 66



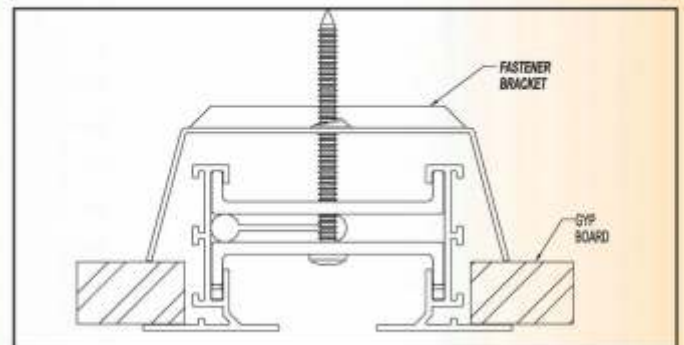
Ceiling / Ceiling Reveal - Border 11



Ceiling / Ceiling - Border 11

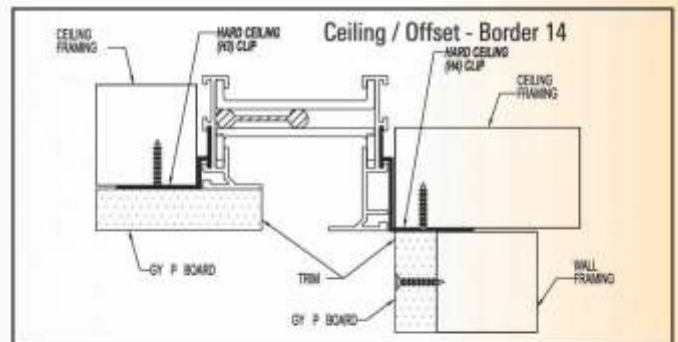
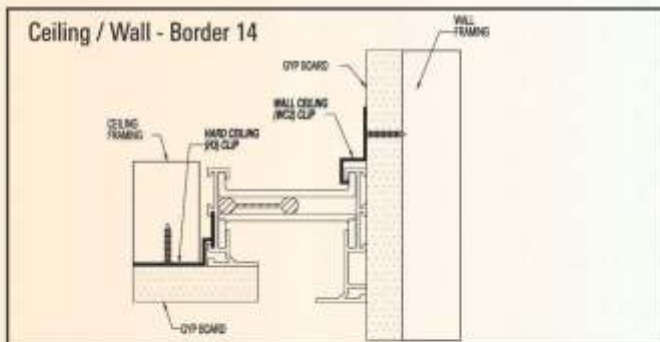
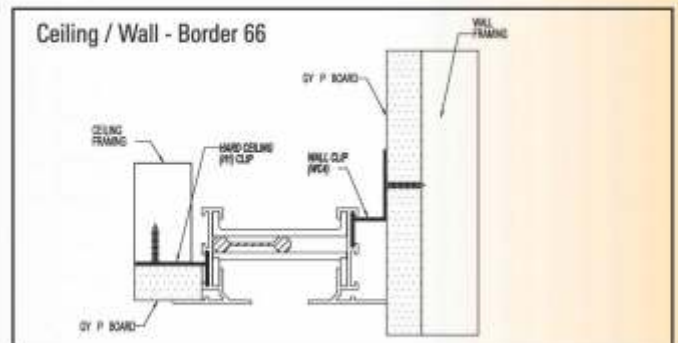
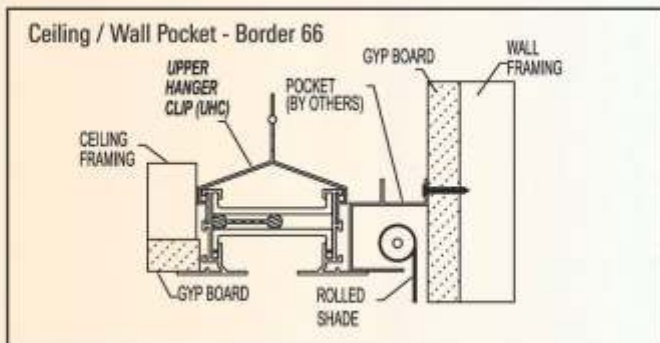
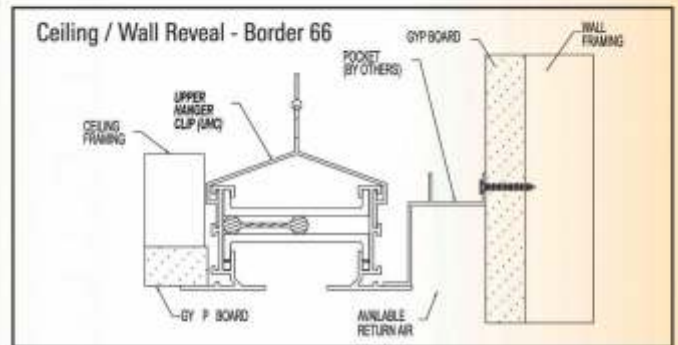
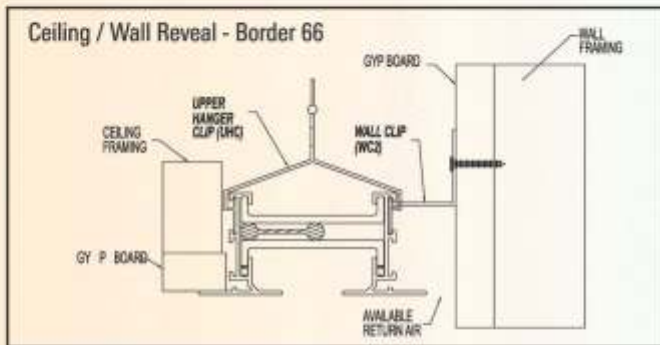


Ceiling / Ceiling - Border 22

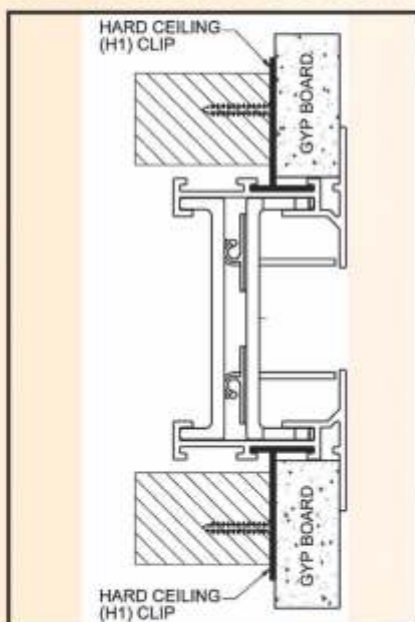


Ceiling / Ceiling - Border 77

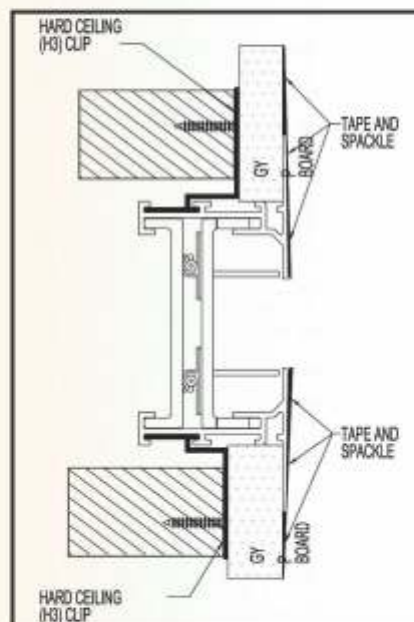
Hard Ceiling Applications (continued)



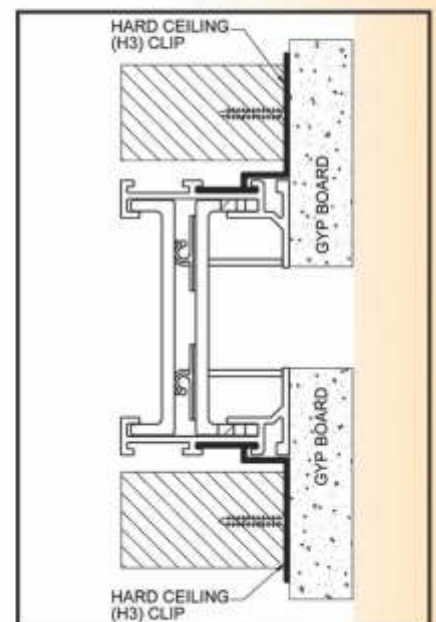
SIDE WALL APPLICATIONS



Side Wall - Exposed Flange - Border 66

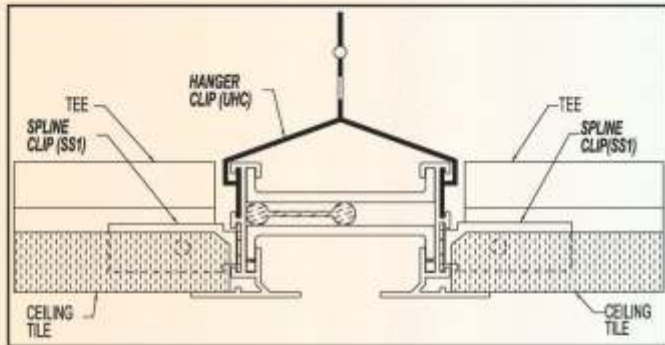


Side Wall - Hidden Flange - Border 22

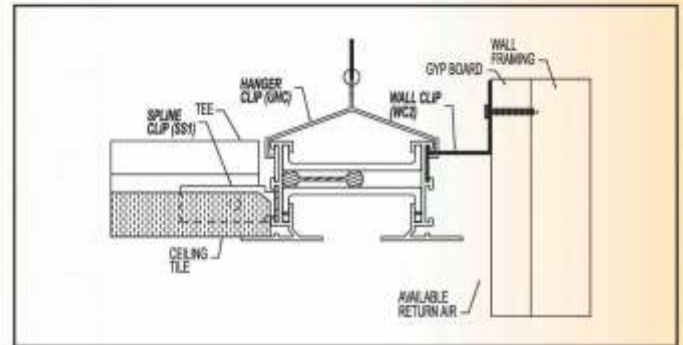


Side Wall - Hidden Flange - Border 11

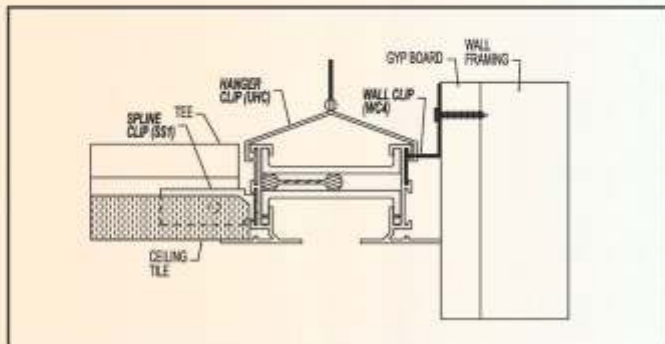
ACOUSTICAL CEILING APPLICATIONS



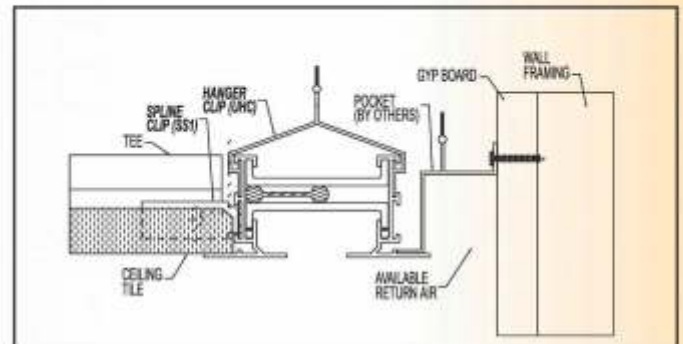
Ceiling / Ceiling - Border 66



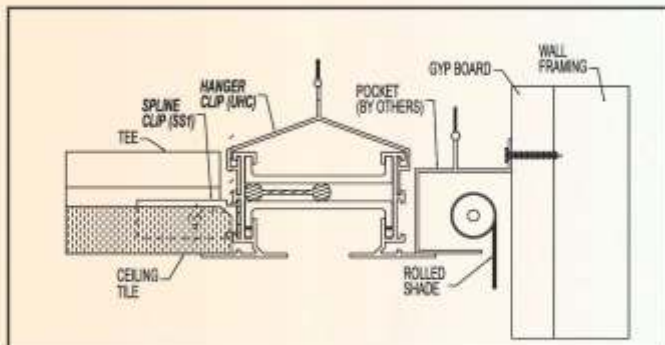
Ceiling / Wall - Border 66



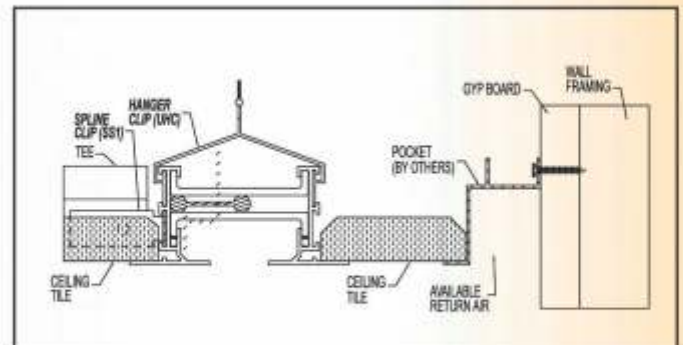
Ceiling / Wall Reveal - Border 66



Ceiling / Wall Pocket - Border 66

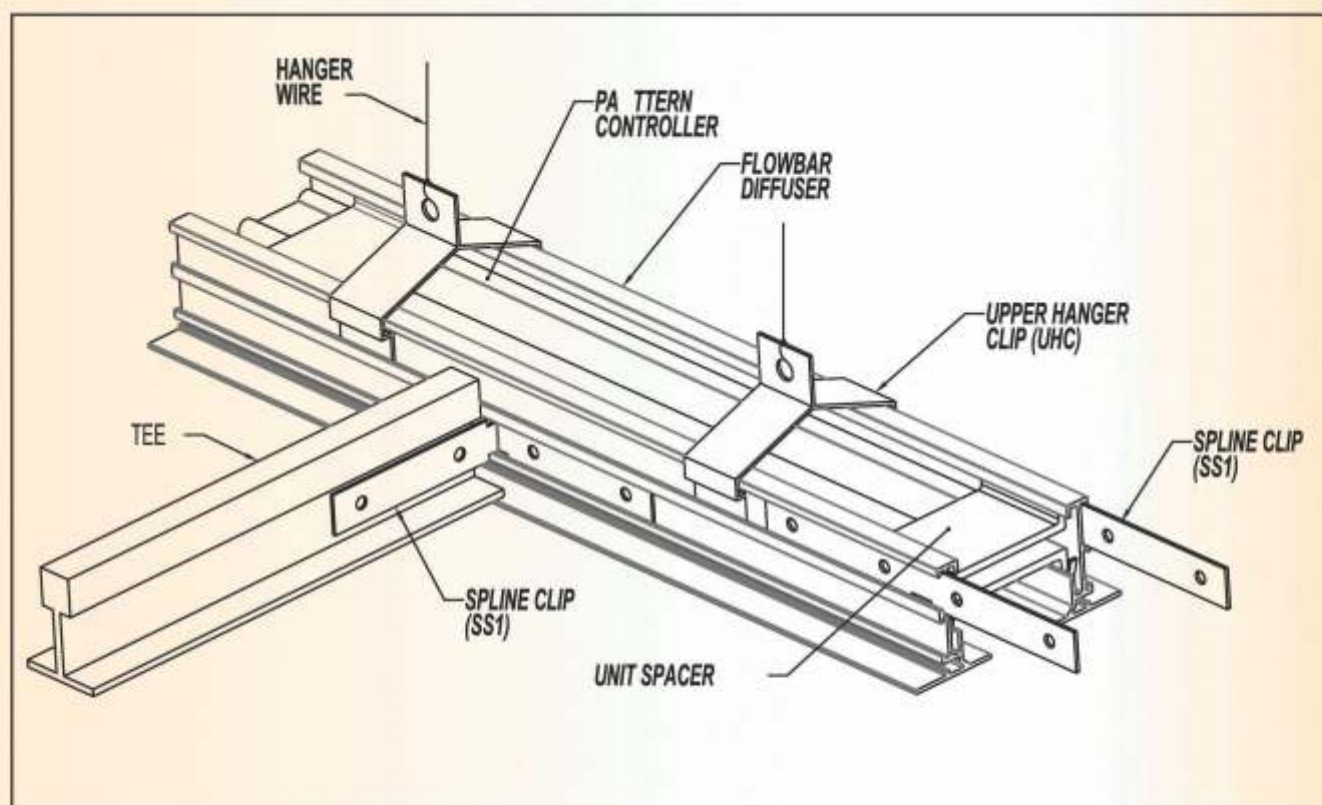
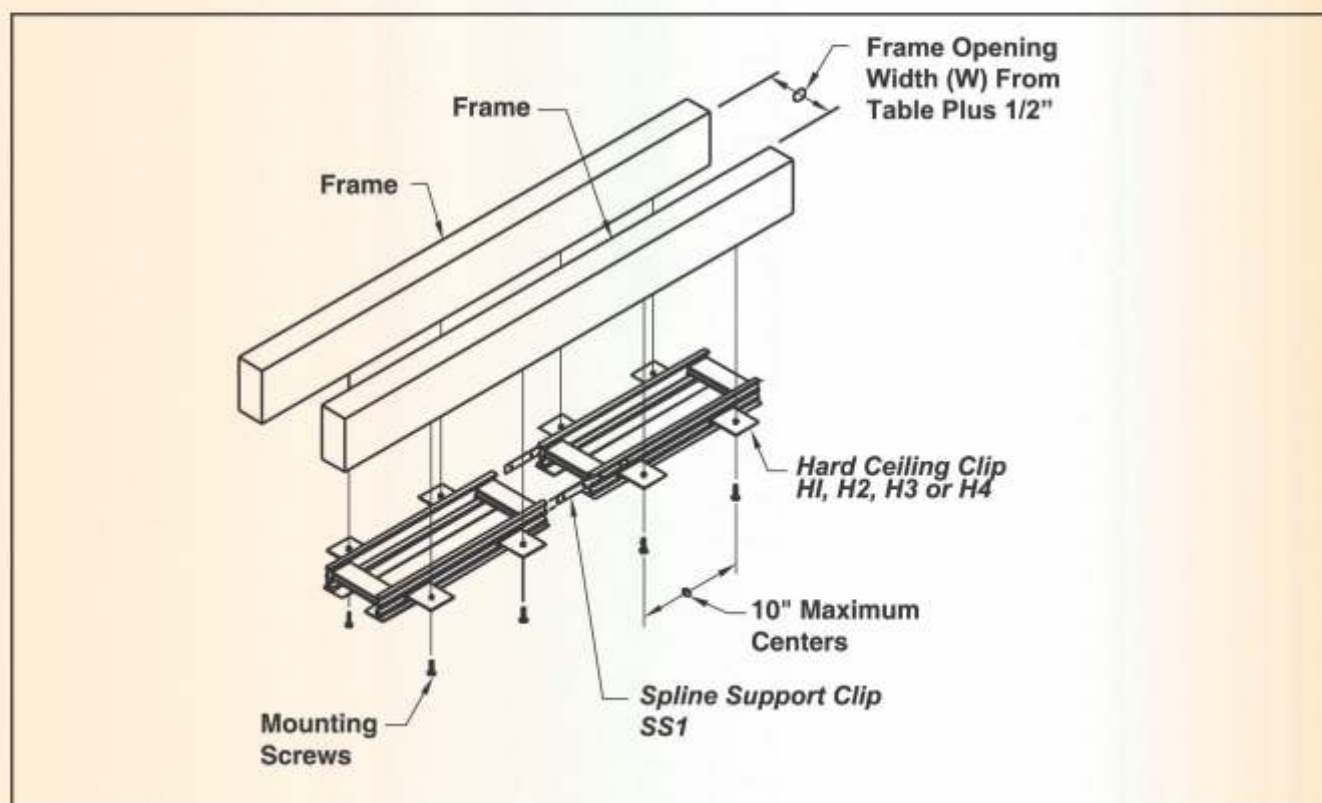


Ceiling / Wall Pocket - Border 66

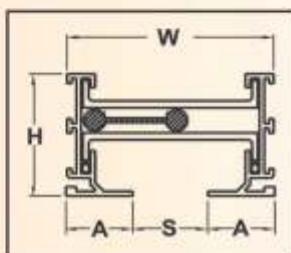


Ceiling / Ceiling / Pocket - Border 66

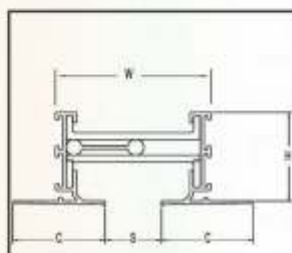
INSTALLATION METHODS



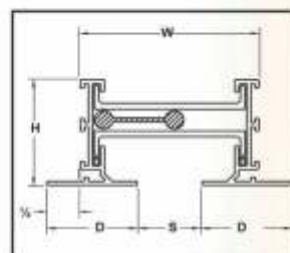
BORDER TYPES



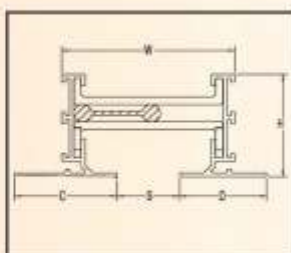
Border Type 11



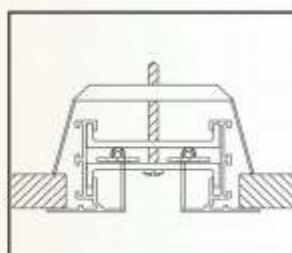
Border Type 22



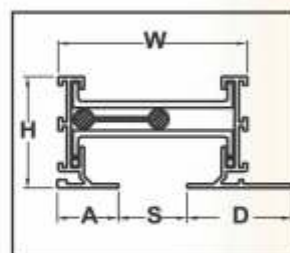
Border Type 66



Border Type 26



Border Type 77



Border Type 16

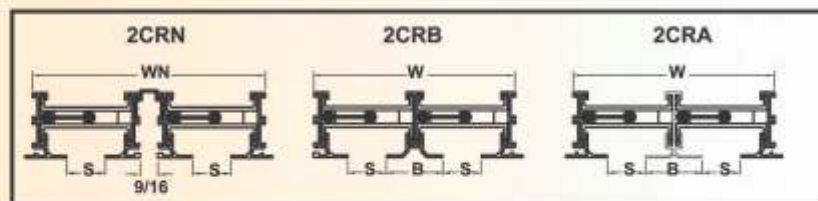
Border Type 77 (Concealed Fastening) uses Border Type 66 extrusions and adds a mounting bracket, a #10 x 2½" screw and a hole in the spreader

Model	S Slot Width	W Width	A Border Width	C Border Width	D Border Width	H Height
FB	1	2¾	7 ⁷ / ₈	1 ⁵ / ₈	1 ³ / ₈	1 ¹¹ / ₁₆
FB	1½	3¾	1 ¹ / ₈	1 ⁷ / ₈	1 ⁵ / ₈	1 ¹¹ / ₁₆
FB	2	4¾	1 ³ / ₈	2 ¹ / ₈	1 ⁷ / ₈	1 ¹¹ / ₁₆
FB	2½	5¾	1 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	2 ⁵ / ₁₆
FB	3	6¾	1 ⁷ / ₈	2 ³ / ₈	2 ³ / ₈	2 ⁵ / ₁₆

Dimensions are in inches * One-way blow only

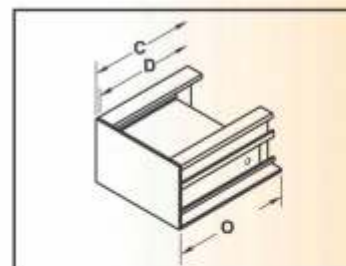
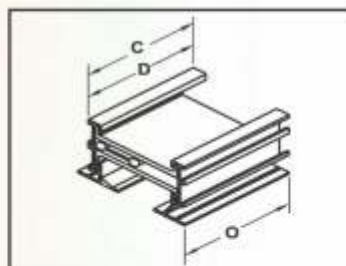
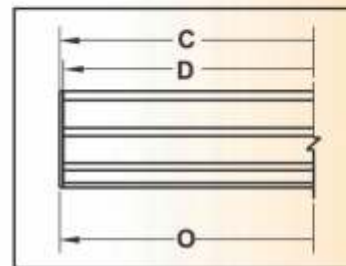
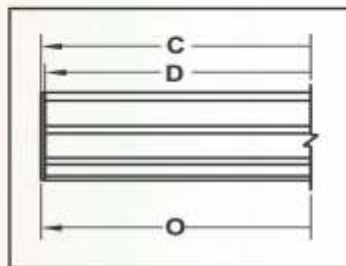
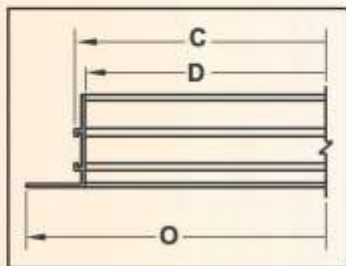
FlowBar Model	Ceiling Opening Width for Border Type 77		
	1-Slot	2-Slot 2CRA & 2 CRB	2-Slot 2CRN
FB	3	5½	6 ³ / ₈
FB	4	7½	8 ³ / ₈
FB	5	9½	10 ³ / ₈
FB	6	11½	12 ³ / ₈
FB	7	13½	14 ³ / ₈

TWO-SLOT OPTIONS



Model	S Slot Width	B Border Width	W Width	WN Width
FB	1	1 ⁷ / ₁₆	5 ¹ / ₁₆	6 ¹ / ₁₆
FB	1½	1 ¹⁵ / ₁₆	7 ¹ / ₁₆	8 ¹ / ₁₆
FB	2	2 ⁷ / ₁₆	9 ¹ / ₁₆	10 ¹ / ₁₆
FB	2½	2 ¹⁵ / ₁₆	11 ¹ / ₁₆	12 ¹ / ₁₆
FB	3	3 ⁷ / ₁₆	13 ¹ / ₁₆	14 ¹ / ₁₆

END FABRICATION



SX Straight

Y Open End

ECX End Cap

Border Type	Slot Width										
		SXX		SXY		YY		ECXX		ECXY	
		C	O	C	O	C	O	C	O	C	O
11	1	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	1 1/2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2 1/2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	3	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
22	1	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	1 1/2	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2 1/2	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	3	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
66/77	1	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	1 1/2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2 1/2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	3	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
14	1	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	1 1/2	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2 1/2	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	3	NA	NA	NA	NA	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
16	1	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	1 1/2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	2 1/2	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$
	3	$D+3/8$	$D+2 1/8$	$D+3/16$	$D+1 1/16$	D	D	$D+1/8$	$D+1/8$	$D+1/16$	$D+1/16$

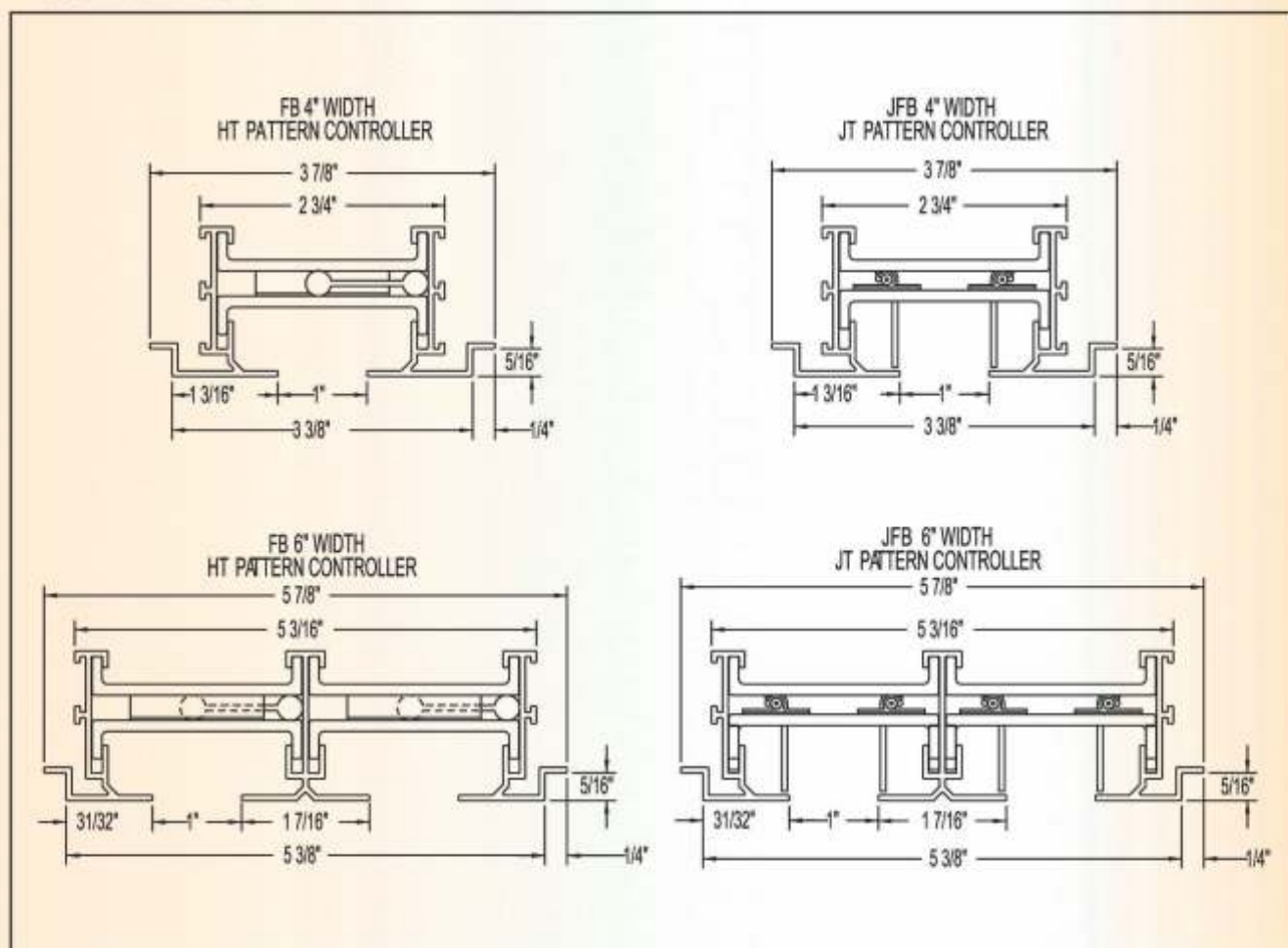
Note: (NA) indicates not available

Dimensions in inches

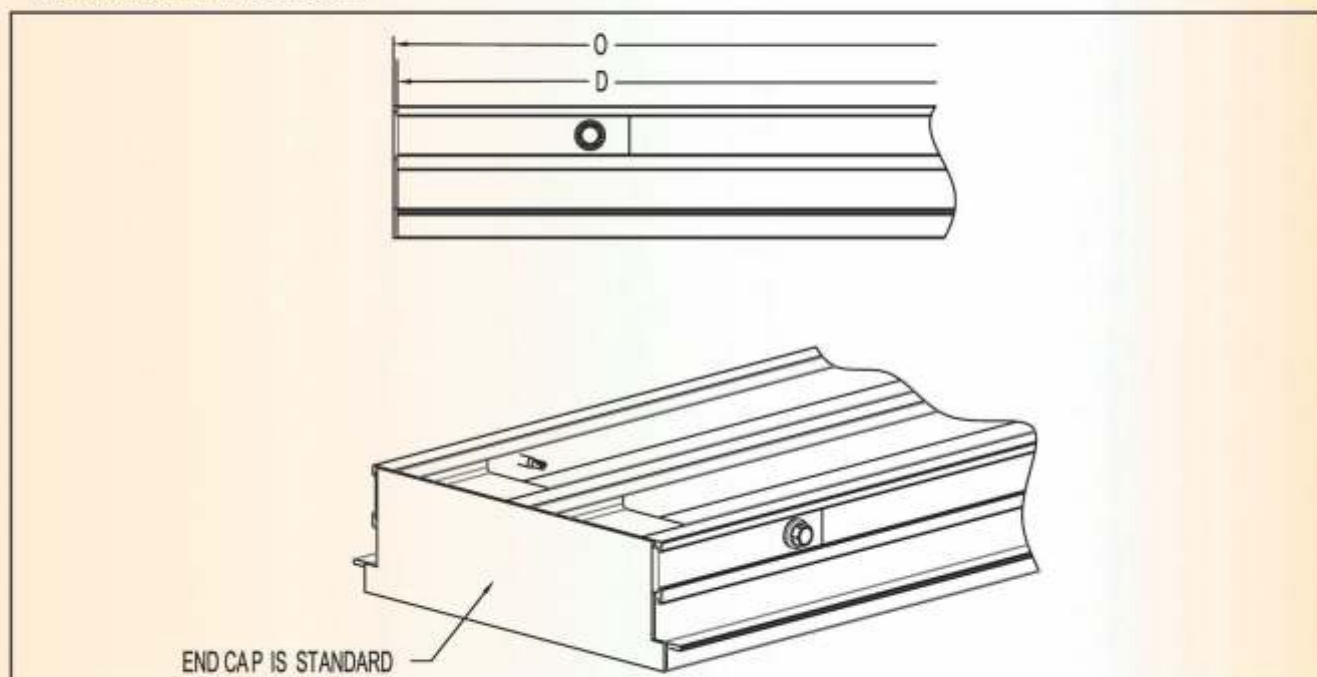
D = ordered or specified length

DIMENSIONS

FB UNIT DIMENSIONS



END FABRICATION AND LENGTH



FL 90°

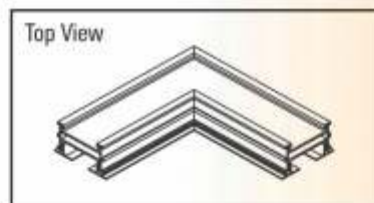
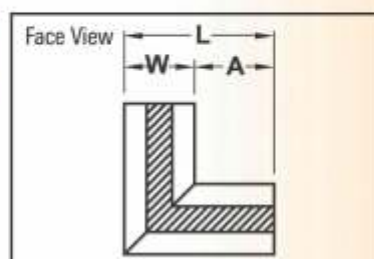
OPTIONAL MITERED CORNER

FL 90° - 10 / 1" Slot
 FL 90° - 15 / 1½" Slot
 FL 90° - 20 / 2" Slot
 FL 90° - 25 / 2½" Slot
 FL 90° - 30 / 3" Slot

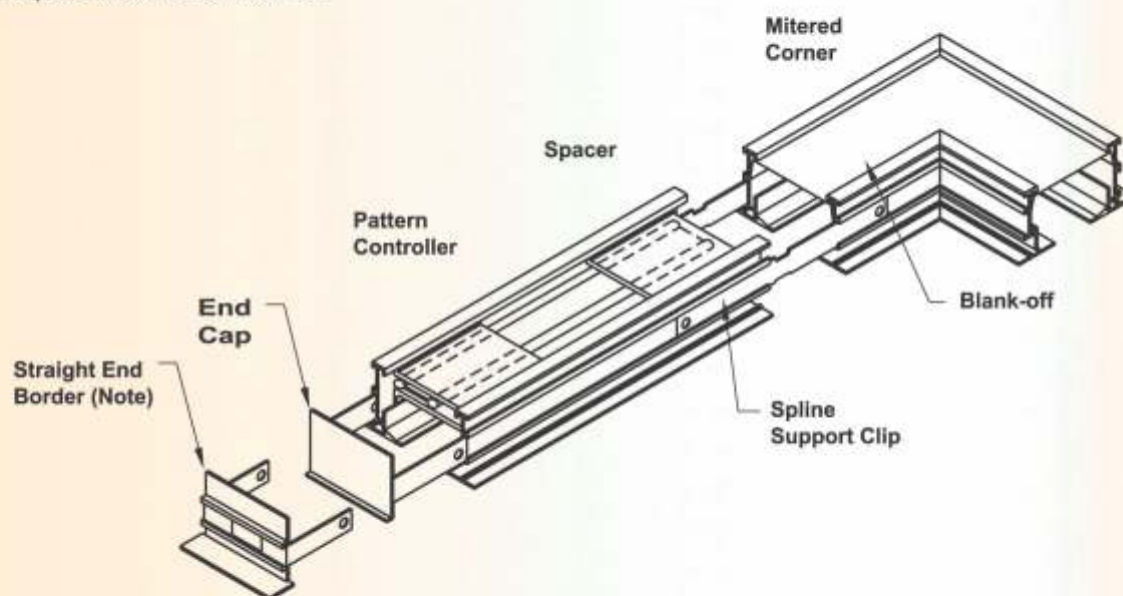


- End Caps, End Borders, Mitered Corners and Blank-Offs are optional
- FlowBar Diffusers can be joined together end-to-end to form long continuous runs
- Optional End Borders and End Caps close off the ends of the diffusers and simplify installations ending at walls and other stopping points
- Optional Mitered Corners are rendered inactive with factory installed blank-offs
- Spline Clips (SS1) maintain tight joints between sections

Number of Slots	Slot Width	Border Type 11			Border Type 66			Border Type 22		
		L	W	A	L	W	A	L	W	A
1	1	8¾	2¾	6	9¾	3¾	5½	9½	4¾	5¼
	1½	9¾	3¾	6	10¾	4¾	5½	10½	5¾	5¼
	2	10¾	4¾	6	11¾	5¾	5½	11½	6¾	5¼
	2½	11¾	5¾	6	12¾	6¾	5½	12¼	6¾	5½
	3	12¾	6¾	6	13¾	7¾	5½	13¼	7¾	5½
2	1	11 ³ / ₁₆	5 ³ / ₁₆	6	11 ¹¹ / ₁₆	6 ³ / ₁₆	5½	N/A	N/A	N/A
	1½	13 ³ / ₁₆	7 ³ / ₁₆	6	13 ¹¹ / ₁₆	8 ¹¹ / ₁₆	5½	N/A	N/A	N/A
	2	15 ³ / ₁₆	9 ³ / ₁₆	6	15 ¹¹ / ₁₆	10 ¹¹ / ₁₆	5½	N/A	N/A	N/A
	2½	17 ³ / ₁₆	11 ³ / ₁₆	6	17 ¹¹ / ₁₆	12 ¹¹ / ₁₆	5½	N/A	N/A	N/A
	3	19 ³ / ₁₆	13 ³ / ₁₆	6	19 ¹¹ / ₁₆	14 ¹¹ / ₁₆	5½	N/A	N/A	N/A



End Cap and Mitered Corner Installation



ACCESSORIES

FLC

OPTIONAL FLOW CROSS

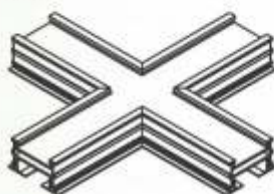
FLC -10 / 1" Slot
 FLC -15 / 1½" Slot
 FLC -20 / 2" Slot
 FLC -25 / 2½" Slot
 FLC -30 / 3" Slot



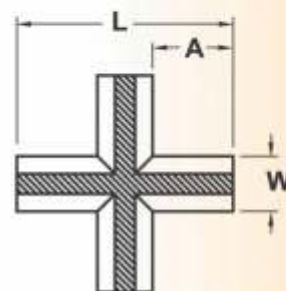
Number of Slots	Slot Width	L	Border Type 11		Border Type 66	
			W	A	W	A
1	1	14¾	2¾	6	3¾	5½
	1½	15¾	3¾	6	4¾	5½
	2	16¾	4¾	6	5¾	5½
	2½	17¾	5¾	6	6¾	5½
	3	18¾	6¾	6	7¾	5½

All dimensions are in inches
 Not available in 2 slots

Top View



Face View



HTSK / JTSK

OPTIONAL FIELD CUT SPACER KIT

HTSK-10 / 1" Slot
 HTSK-15 / 1½" Slot
 HTSK-20 / 2" Slot
 HTSK-25 / 2½" Slot
 HTSK-30 / 3" Slot
 JTSK-10 / 1" Slot
 JTSK-15 / 1½" Slot
 JTSK-20 / 2" Slot
 JTSK-25 / 2½" Slot
 JTSK-30 / 3" Slot

Sometimes the exact length of a FlowBar diffuser is not known until the diffuser is being installed. Standard FlowBar diffusers can be field trimmed. Use the following information to trim FlowBar in the field.

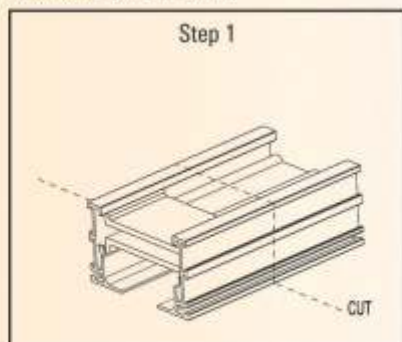
1. Determine the desired length and cut accordingly
2. Insert the optional field cut spacer kit
3. Place the spacer kit ¼ inch from the newly trimmed end

Note: The pattern controller must be cut ¼ inches shorter than the borders to accommodate the Field Spacer Kit

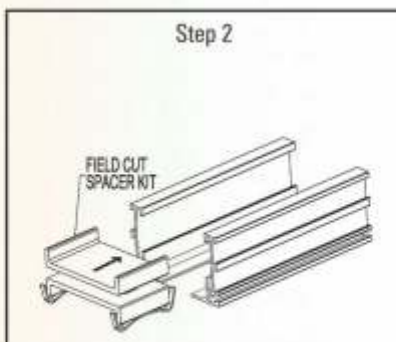
The following figures illustrate the trimming procedure.



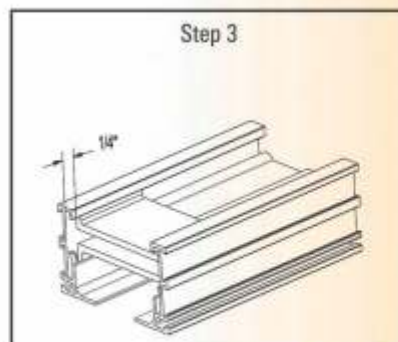
Step 1



Step 2



Step 3

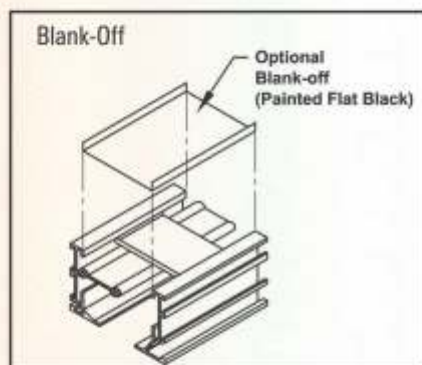


ACCESSORIES

OPTIONAL BLANK-OFF

10 / 1" Slot
15 / 1½" Slot
20 / 2" Slot
25 / 2½" Slot
30 / 3" Slot

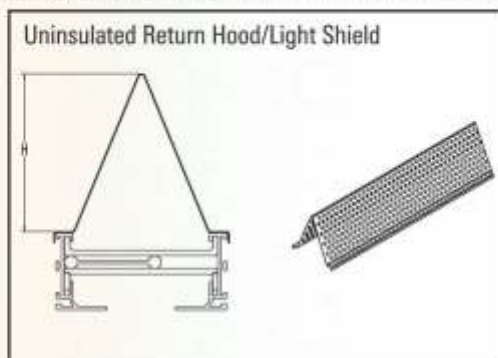
Note: Units ship in 6 foot increments.
Field cut for shorter length.



OPTIONAL RETURN HOOD/LIGHT SHIELD

10 / 1" Slot
15 / 1½" Slot
20 / 2" Slot
25 / 2½" Slot
30 / 3" Slot

Note: Return Hoods are 51 percent free area
perforated galvanized steel, painted flat black

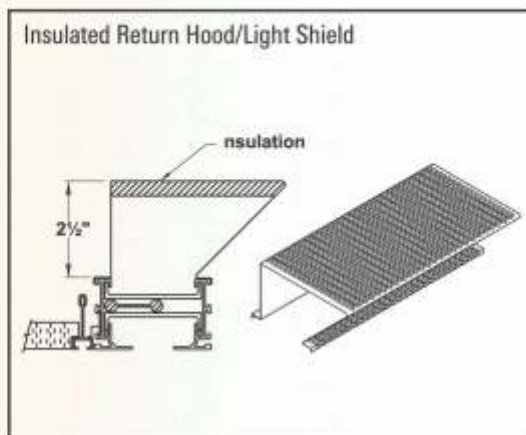


1" Slot
1½" Slot
2" Slot
2½" Slot
3" Slot

Note: Return Hoods are 51 percent free area
perforated galvanized steel, painted flat black

Units ship in 4 foot increments. Field cut for
shorter lengths.

Return Hoods not available on
curved FlowBar



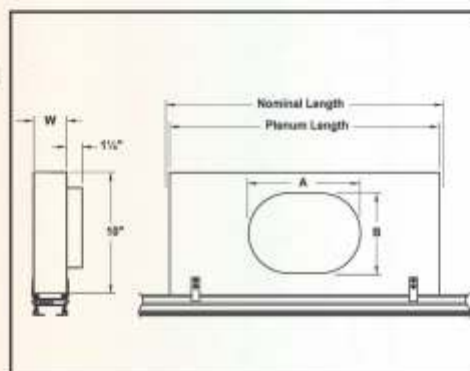
Number of Slots	Slot Width	H (Height)	Number of Slots	Slot Width	H (Height)
1	1	3 ³ / ₈	2	1	2 ¹ / ₈
	1½	3 ³ / ₈		1½	3 ¹ / ₈
	2	3 ³ / ₈		2	4 ¹ / ₈
	2½	7 ¹ / ₁₆		2½	5 ¹ / ₈
	3	7 ¹ / ₁₆		3	6 ¹ / ₈

All dimensions are in inches

ACCESSORIES

FLOWBAR LINEAR DIFFUSERS, BORDER TYPES 11, 14, 16, 22, 55, 66

1" Slot
1½" Slot
2" Slot
2½" Slot
3" Slot
1" Insulated
1½" Insulated
2" Insulated
2½" Insulated
3" Insulated



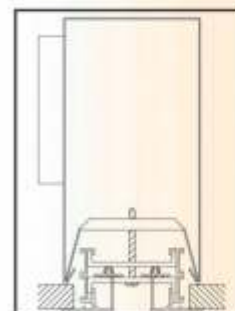
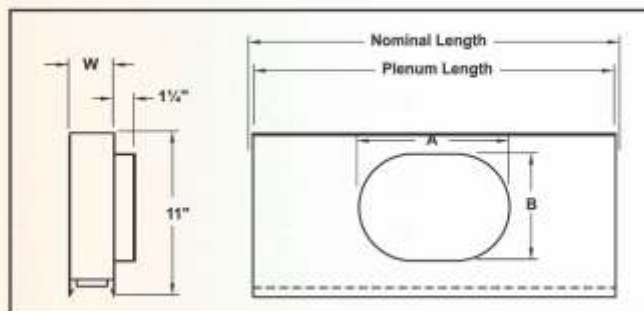
*Note: End Caps are not insulated

Border 11, 14, 16, 22, 66 W (Width)			Nominal Length	Standard Available Inlets	Plenum Length (inches)
Slots					
1	2 CRN	2CRA, 2CRB		Oval	
2¾	6	5¼	24, 36, 48, 60	6, 8, 10, 12	21¾, 33¾, 45¾, 57¾
3¾	8	7¼	24, 36, 48, 60	6, 8, 10, 12	21¾, 33¾, 45¾, 57¾
4¾	10	9¼	24, 36, 48, 60	6, 8, 10, 12	21¾, 33¾, 45¾, 57¾
5¾	12	11¼	24, 36, 48, 60	6, 8, 10, 12	21¾, 33¾, 45¾, 57¾
6¾	14	13¼	24, 36, 48, 60	6, 8, 10, 12	21¾, 33¾, 45¾, 57¾

Standard Inlet Size	Dimensions	
	A	B
6 Oval	6¼	5¼
8 Oval	9⅞	5¼
10 Oval	12½	5¼
12 Oval	14⅞	7⅞

FLOWBAR LINEAR DIFFUSERS, BORDER TYPE 77 ONLY

1" Slot
1½" Slot
2" Slot
2½" Slot
3" Slot
1" Insulated
1½" Insulated
2" Insulated
2½" Insulated
3" Insulated



FlowBar Border 77
Installation Detail

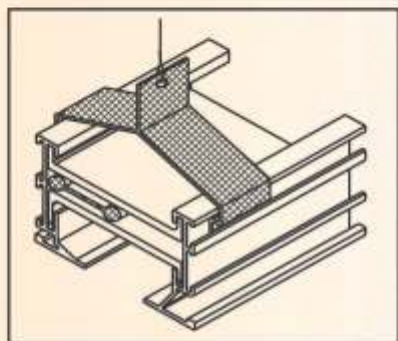
*Note: End Caps are not insulated

Border 77 W (Width)			Nominal Length	Standard Available Inlets	Plenum Length (inches)
Slots				Oval	
1	2 CRN	2CRA, 2CRB			
3¾	7⅞	6 ⅜	24, 36, 48, 60	6, 8, 10, 12	24, 36, 48, 60
4¾	9⅞	8 ⅜	24, 36, 48, 60	6, 8, 10, 12	24, 36, 48, 60
5¾	11⅞	10 ⅜	24, 36, 48, 60	6, 8, 10, 12	24, 36, 48, 60
6¾	13⅞	12 ⅜	24, 36, 48, 60	6, 8, 10, 12	24, 36, 48, 60
7¾	15⅞	14 ⅜	24, 36, 48, 60	6, 8, 10, 12	24, 36, 48, 60

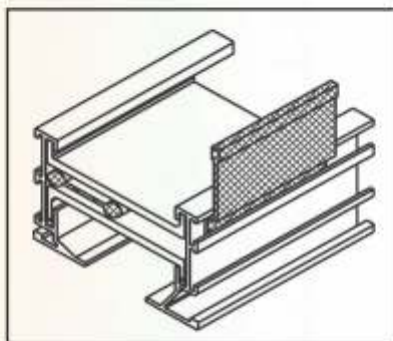
Standard Inlet Size	Dimensions	
	A	B
6 Oval	6¼	5¼
8 Oval	9⅞	5¼
10 Oval	12½	5¼
12 Oval	14⅞	7⅞

All dimensions are in inches

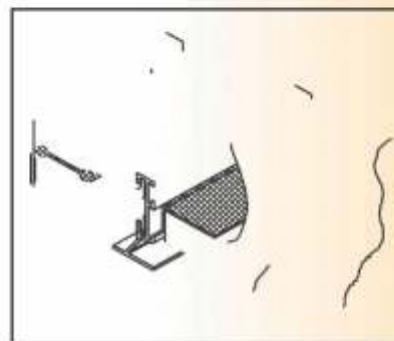
MOUNTING HARDWARE INSTALLATION AND DETAILS



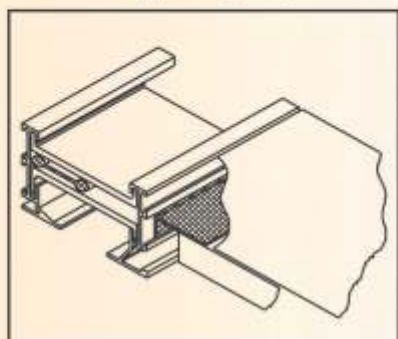
UHC
Upper Hanger Clip



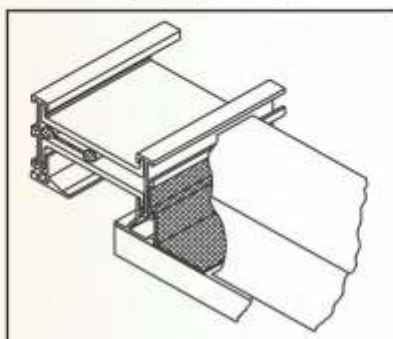
USH
Upper Support Hanger



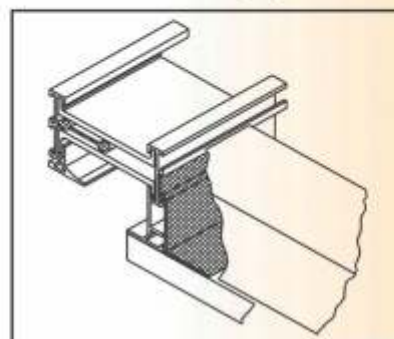
H1
Hard Ceiling Clip



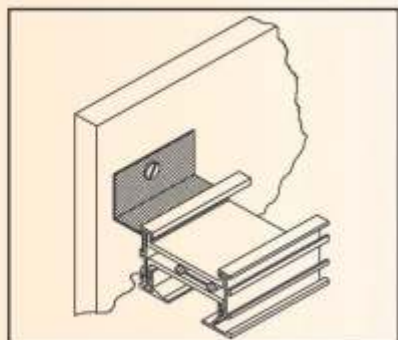
H2
Hard Ceiling Clip



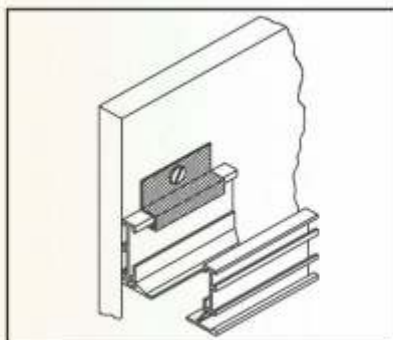
H3
Hard Ceiling Clip



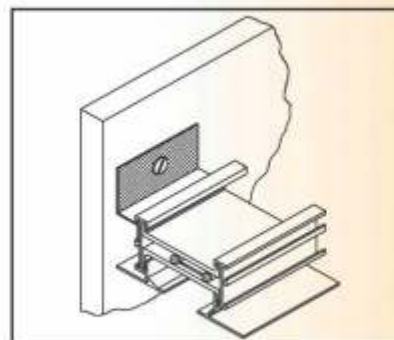
H4
Hard Ceiling Clip



WC2
Wall Clip



WC3
Wall Clip

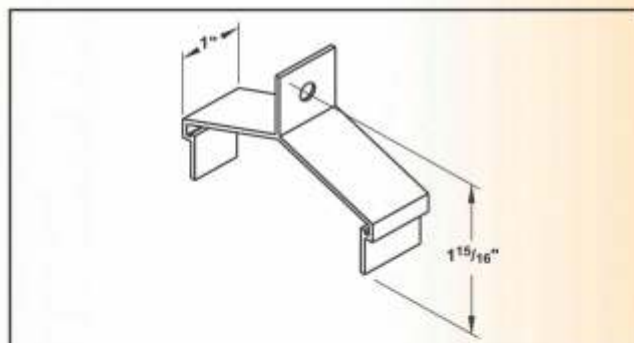
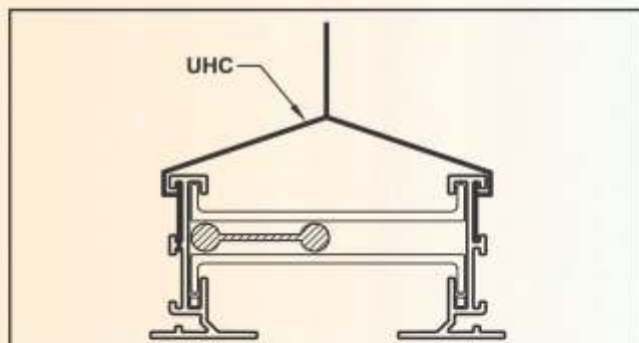


WC4
Wall Clip

MOUNTING HARDWARE INSTALLATION AND DETAILS (continued)

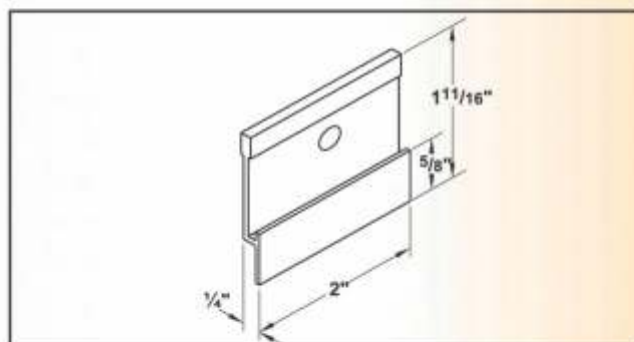
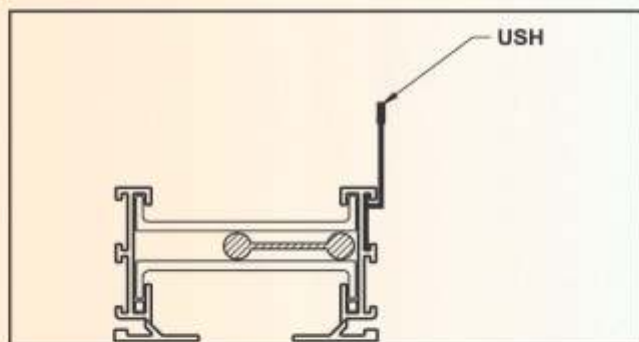
UHC - UPPER HANGER CLIP

The UHC - Hanger Clip is used to suspend the FlowBar assembly from the structure. The clip is designed to utilize standard ceiling hanger wire. UHC is for 1-slot only and FL-10, 15, 20.



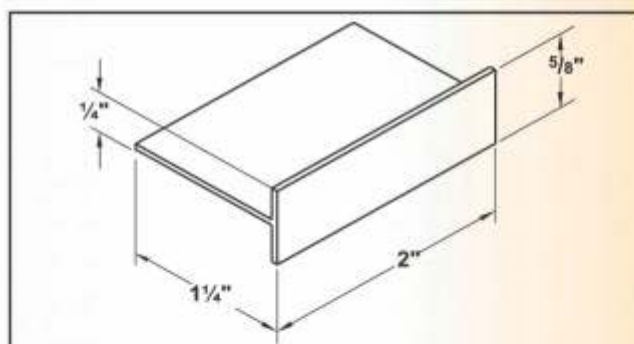
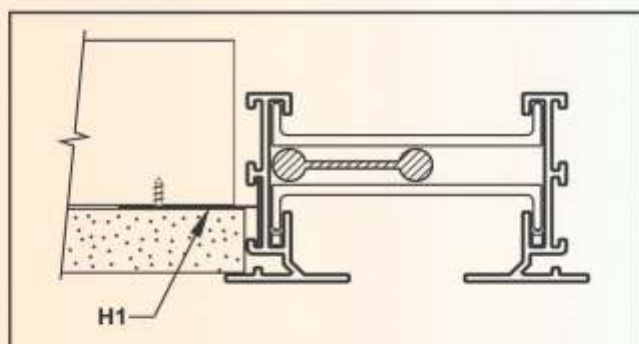
USH - UPPER SUPPORT HANGER

The USH - Support Hanger is used to suspend one side of the FlowBar assembly from the structure. The hanger is designed to utilize standard ceiling hanger wire. Use the USH clip for FL-25 and 30 and all 2-slot units.



H1 - HARD CEILING CLIP

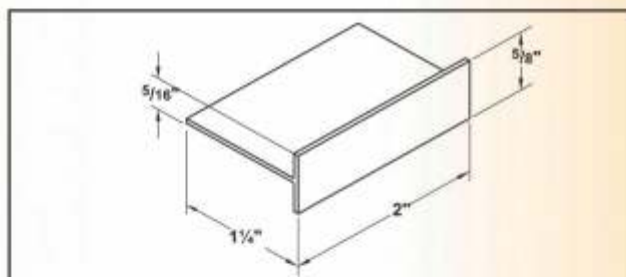
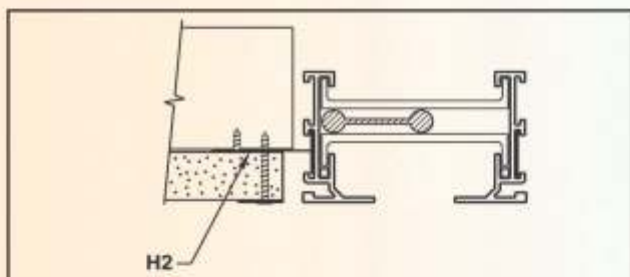
The H1 - Hard Ceiling Clip is used to mount the FlowBar assembly with border type(s) 66 or 16, when a standard 5/8 inch gyp board ceiling is required.



MOUNTING HARDWARE INSTALLATION AND DETAILS (continued)

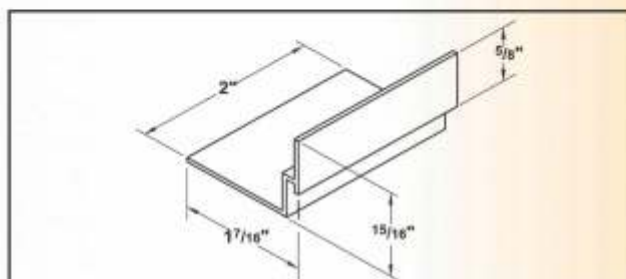
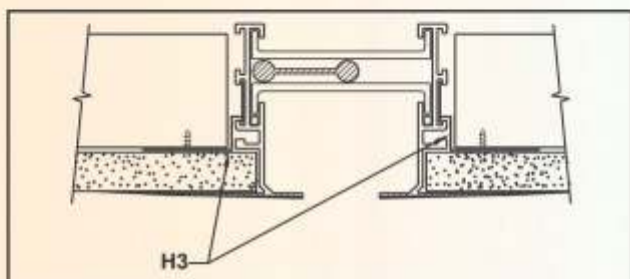
H2 - HARD CEILING CLIP

The H2 - Hard Ceiling Clip is used to mount the FlowBar assembly with border type(s) 11 or 16, when a standard $\frac{5}{8}$ " gyp board ceiling is required.



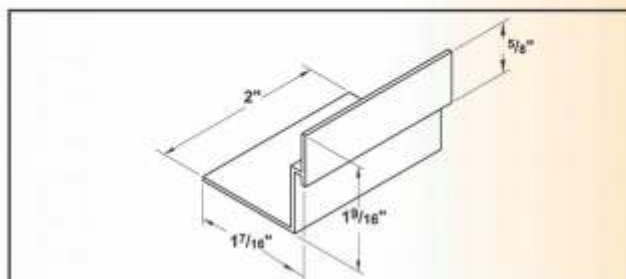
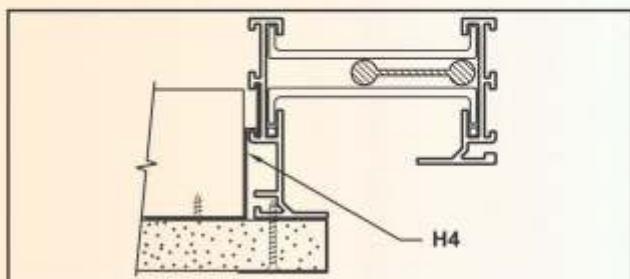
H3 - HARD CEILING CLIP

The H3 - Hard Ceiling Clip can be used to mount the FlowBar assembly with border types 22 and 14 when a standard $\frac{5}{8}$ " gyp board ceiling is required.



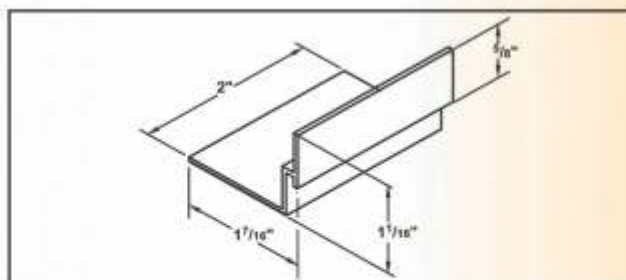
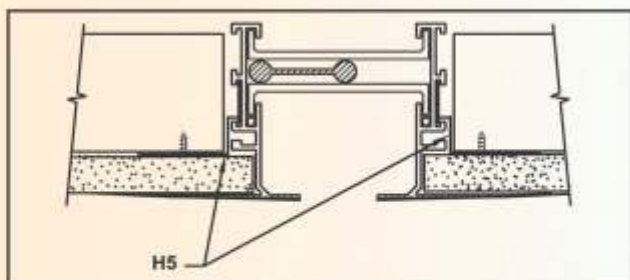
H4 - HARD CEILING CLIP

The H4 - Hard Ceiling Clip is used to mount the FlowBar assembly with border type(s) 66 or 16, when a standard $\frac{5}{8}$ " gyp board ceiling is required.



H5 - HARD CEILING CLIP

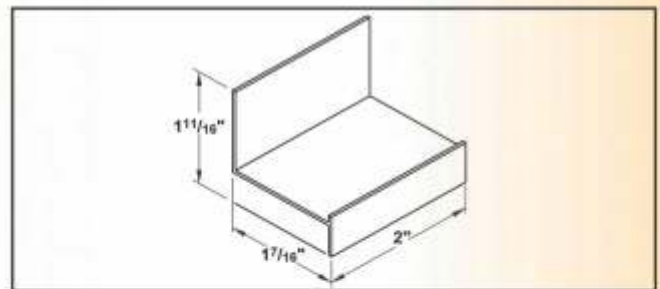
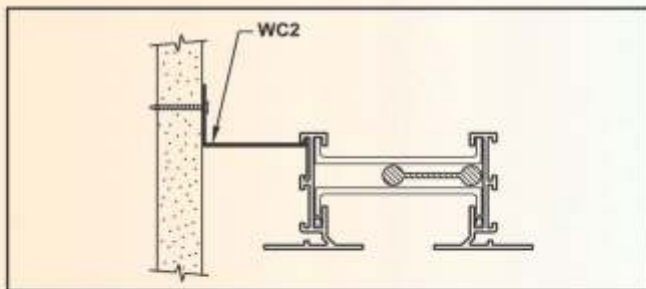
The H5 - Hard Ceiling Clip is used to mount FL10, 15 or 20 border 22 to $\frac{1}{2}$ " gyp board.



MOUNTING HARDWARE INSTALLATION AND DETAILS (continued)

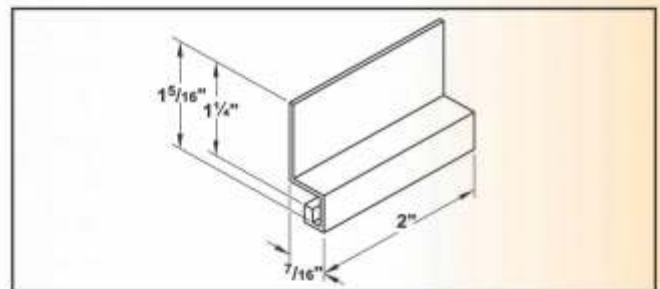
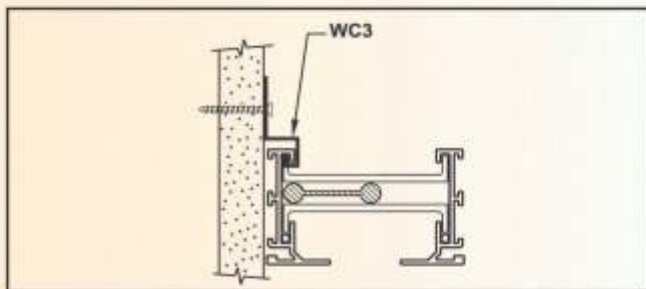
WC2 - WALL CLIP

The WC2 - Wall Clip is used to mount the FlowBar assembly with border type(s) 11, 66 or 16 away from a wall when a reveal is required. The wall reveal can be used as a return air slot.



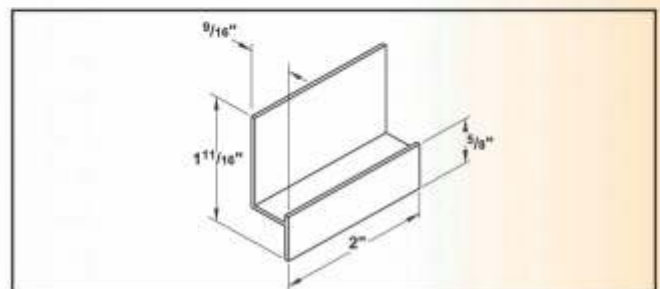
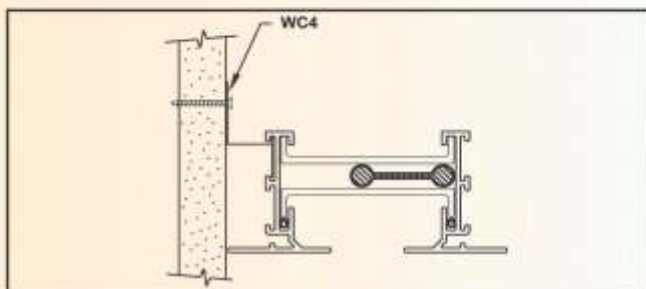
WC3 - WALL CLIP

The WC3 - Wall Clip is used to flush mount the FlowBar assembly, with border type 11 to a wall.



WC4 - WALL CLIP

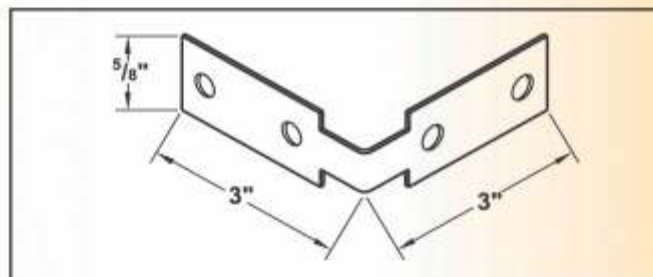
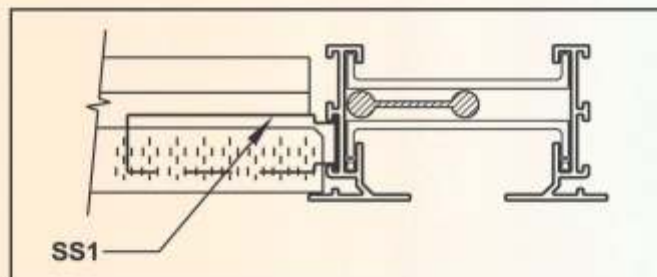
The WC4 - Wall Clip is used to flush mount the FlowBar assembly, with border types 16 or 66 to a wall.



MOUNTING HARDWARE INSTALLATION AND DETAILS (continued)

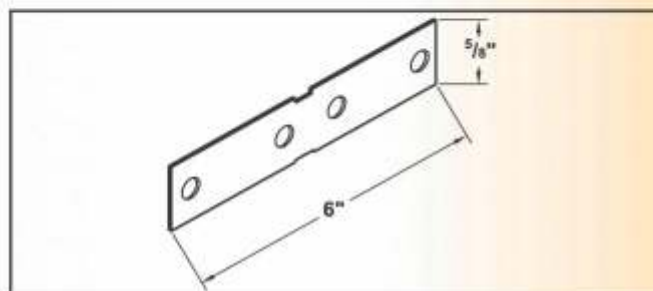
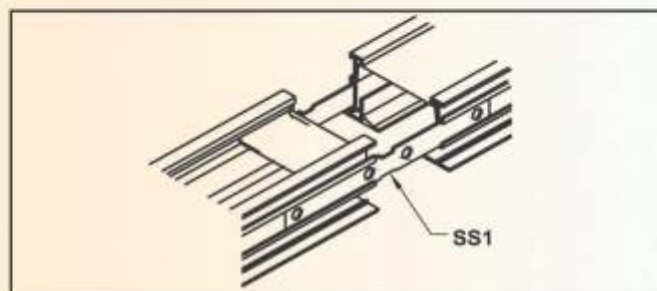
SPLINE SUPPORT CLIP (FIELD FORMED)

The SS1 - Spline Clip is used to attach drop ceiling "tees" to the FlowBar assembly.



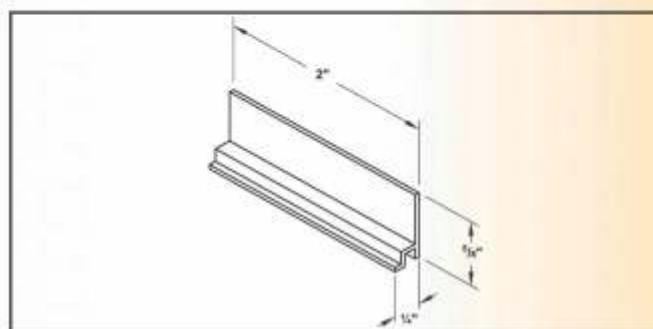
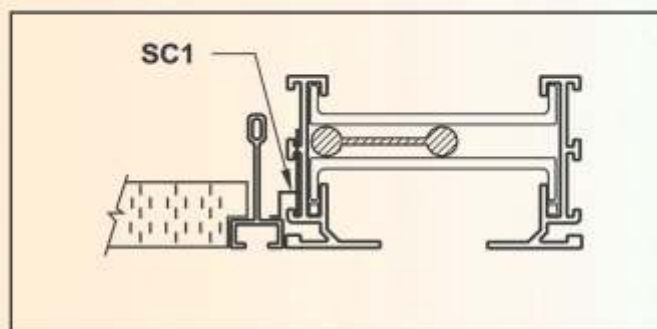
SPLINE SUPPORT CLIP (AS SHIPPED)

The SS1 - Spline Clip is also used to adjoin multiple sections of FlowBar when continuous lengths are desired.



NARROW TEE SUPPORT CLIP

The SC1 - Support Clip is used to support the Narrow Tee assembly with border type 11 suspension systems.



Border Type	1-Slot FlowBar	2-Slot FlowBar
11	H2, WC2, WC3, USH, UHC, SC1	H2, WC2, WC3, USH, SC1
14	H3, H4, USH, UHC	N/A
22, 55	H3, H4, H5, USH, UHC	H3, H4, H5
66, 77	H1, WC2, WC4, UHC	H1, WC2, WC4, USH
16	H1, H2, WC2, WC4, UHC, USH, SC1	H1, WC2, WC4, USH
55	H3, H4, H5, USH, UHC	N/A



FlowBar With Box

FBB

- The FBB series is an excellent choice for interior spaces requiring a visually pleasing single slot, high performance diffuser. The FBB diffusers are designed to complement the FlowBar linear diffuser system.
- One of the exciting features of the FBB diffuser is that it is engineered to handle large capacities of air using a single slot
- To fully integrate into the ceiling system, the FBB diffuser is designed so the ceiling material can be field cut and inserted in the face of the diffuser. This allows the architect the opportunity to blend the air distribution system into the ceiling design. The ModuFlow diffuser can be field adjusted for one, two, three, or four-way directional air patterns. This adjustability gives the designer the flexibility to use the diffuser in a wide range of space sizes and configurations.
- Material is heavy wall, extruded aluminum
- Standard finish is white face with a flat black interior



FBB

AVAILABLE MODELS:

FBB	1" Slot
FBBI	1" Slot / Insulated
FBBS	1" Slot / Bolt-slot
FBBSI	1" Slot / Bolt-slot / Insulated
FBBR	1" Slot / Return
FBBSR	1" Slot / Bolt-slot / Return

FINISHES

Standard Finish - #26 White Border (Black pattern controllers)
Optional Finish - Optional & anodized finishes available

OVERVIEW

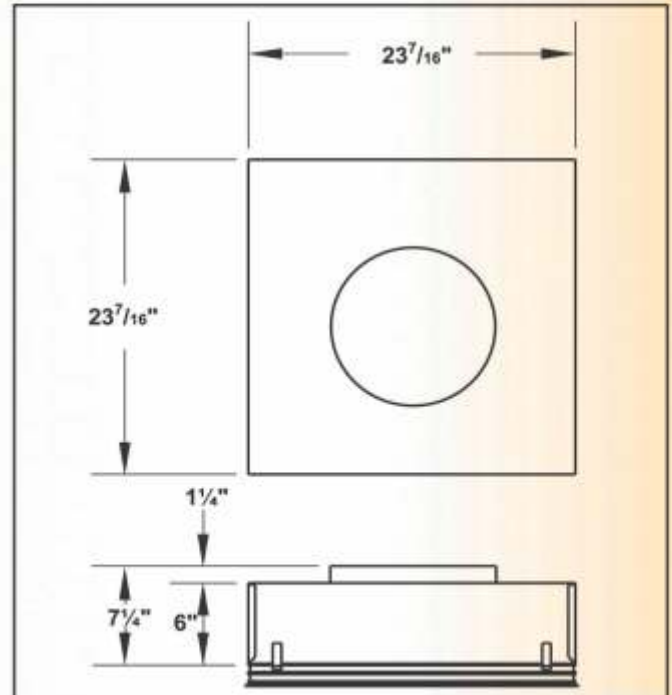
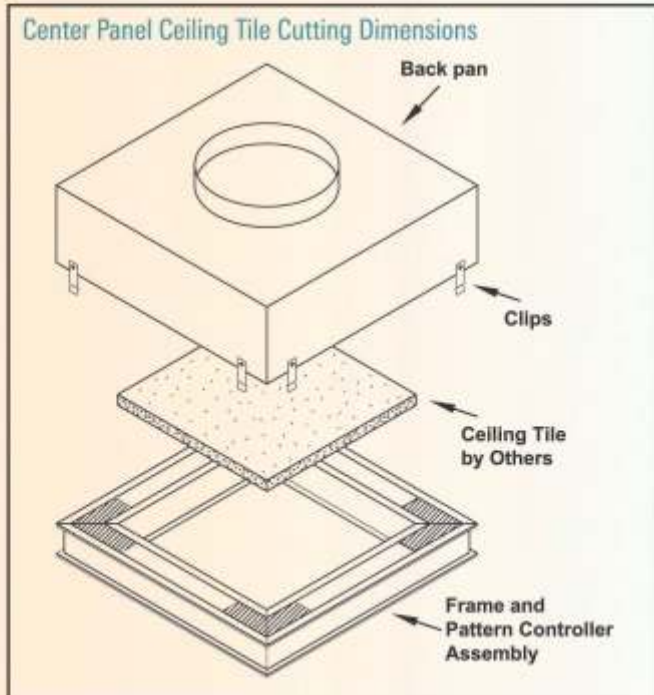
The FBB series is an excellent choice for interior spaces requiring a visually pleasing single slot, high performance diffuser. The ModuFlow diffusers are designed to complement the FlowBar linear diffuser system.

ADVANTAGES

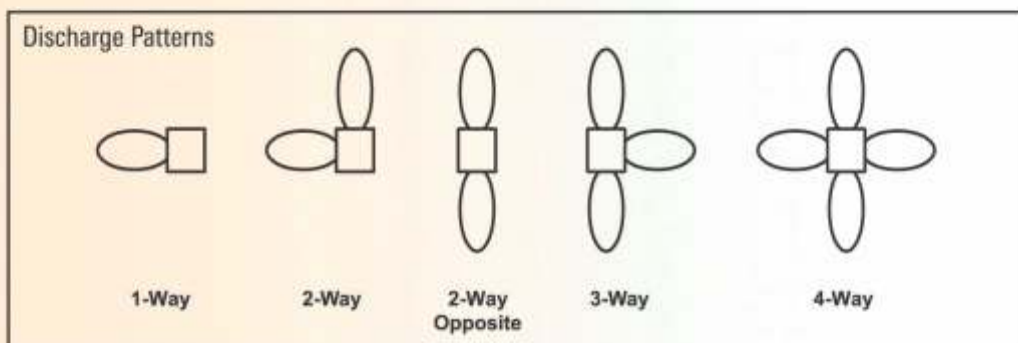
- FBB diffusers can be field adjusted for vertical or horizontal directional air patterns. Set for horizontal flow, the diffuser generates a tight air pattern along the ceiling. This air pattern maximizes space, comfort and makes the diffuser an excellent selection for variable volume air systems.
- FBB diffusers are designed for lay-in, concealed or hard ceilings. Standard module size is 24 x 24 inches. Standard slot width is 1". Units are shipped with integral plenums and hoods.



FIELD INSTALLATION OF CENTER TILE FOR MODELS FBB - FBBI - FBBS - FBBSI - FBBSR and FBBSR

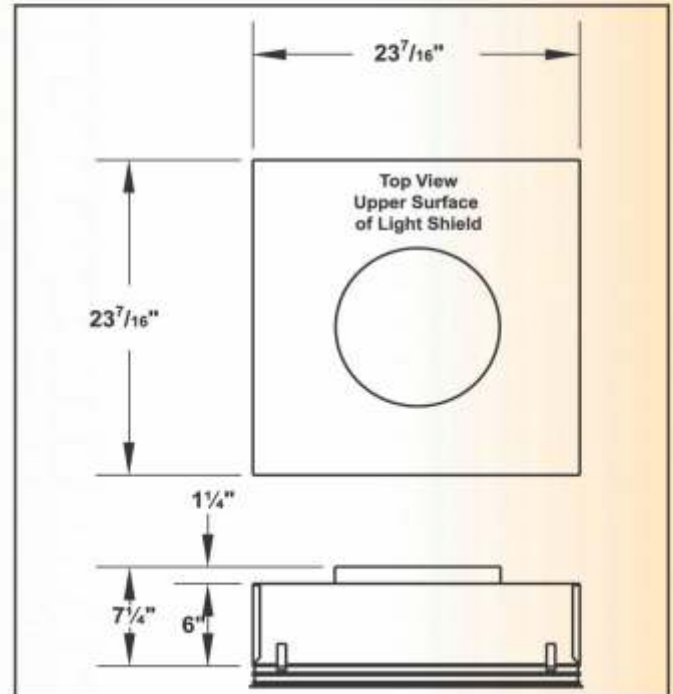
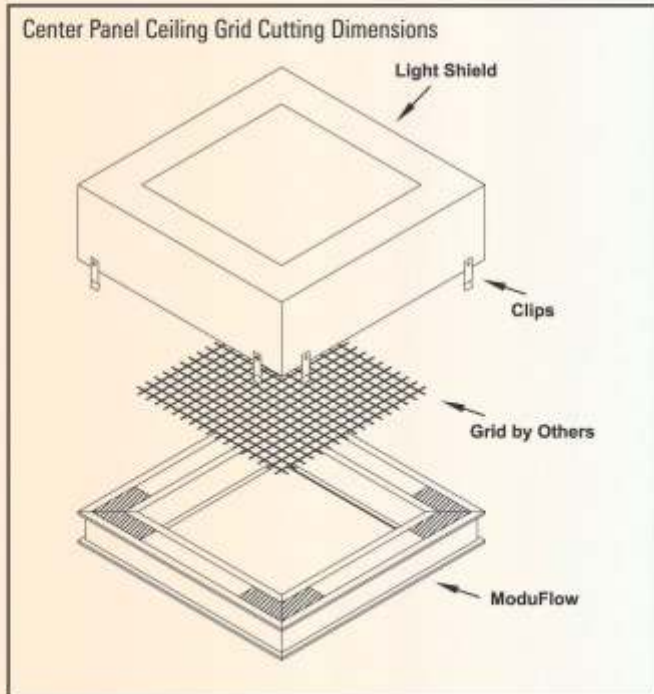


Ceiling Tile Cutting Dimensions	
No. of Slots	Slot Width
	1"
1	$17\frac{15}{16}" \times 17\frac{15}{16}"$

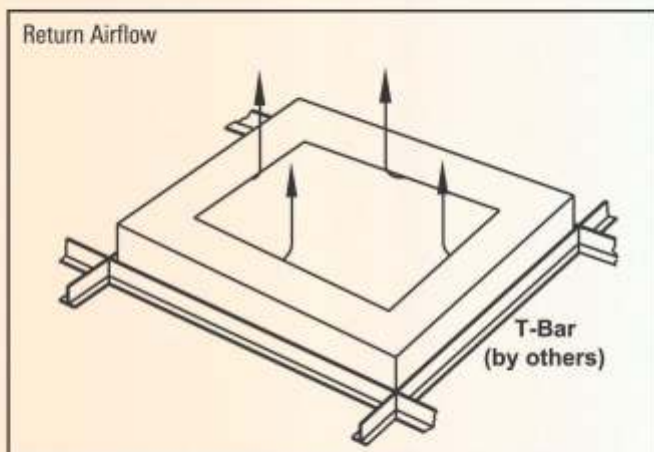


Note: To create adjustable discharge patterns, optional blank off strips must be used

FIELD INSTALLATION OF CENTER TILE FOR MODELS FBB - FBBI - FBBS - FBBSI - FBBSR and FBBSR

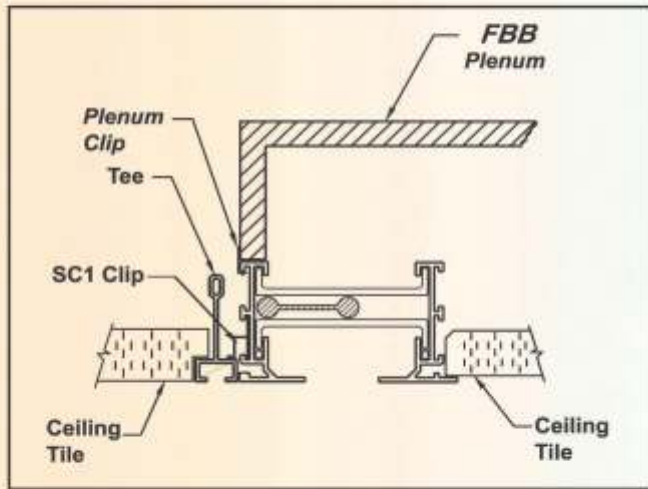


Grid Cutting Dimensions	
No. of Slots	Slot Width
	1"
1	$17\frac{15}{16}" \times 17\frac{15}{16}"$

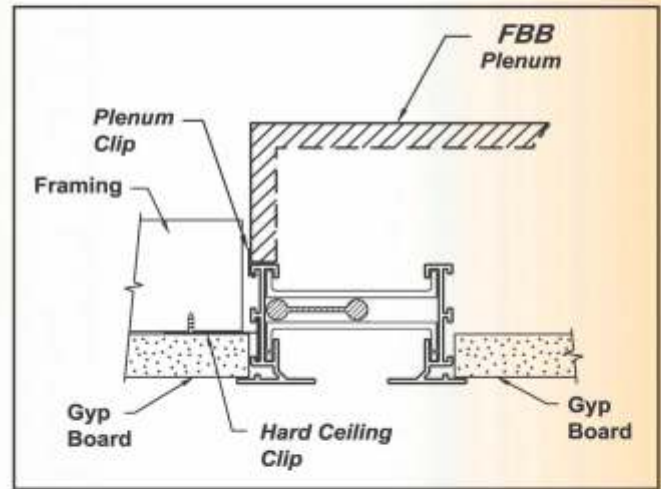




APPLICATIONS



Border Type 16 Narrow Tee



Border Type 66 Hard Ceiling

FlowBar with Plenum Box

FBP

- The FBP system is a series of lay-in type modular slot diffusers which complement linear FlowBar models. FlowTee diffusers utilize the HighThrow and/or JetThrow pattern controllers.
- The FBP diffuser's high induction characteristics make it an excellent choice for interior variable volume system applications where it is important to maintain room air motion when air volumes are reduced
- FBP diffusers allow the designer to maintain a linear appearance with a lay-in diffuser
- Standard module lengths are 24, 48 and 60 inches
- Standard slot sizes are 1, 1½ and 2 inches
- FBP diffusers are manufactured using only heavy wall extruded aluminum
- Standard finish is flat black for interior surfaces exposed to view and white for exposed flanges



FBP

AVAILABLE MODELS:

FBP	1" Slot
FBP	1½" Slot
FBP	2" Slot
FBPI	1" Slot / Insulated
FBPI	1½" Slot / Insulated
FBPI	2" Slot / Insulated
FBPS	1" Slot / Bolt-slot
FBPS	1½" Slot / Bolt-slot
FBPS	2" Slot / Bolt-slot
FBPSI	1" Slot / Bolt-slot, Insulated
FBPSI	1½" Slot / Bolt-slot, Insulated
FBPSI	2" Slot / Bolt-slot, Insulated

FINISHES

Standard Finish - #26 White Border (Black pattern controllers)

Optional Finish - Optional & anodized finishes available

OVERVIEW

The FBP system is a series of lay-in type modular slot diffusers which complement linear FlowBar models. The FlowTee diffuser's high induction characteristics make it an excellent choice for interior variable volume system applications where it is important to maintain room air motion when air volumes are reduced.

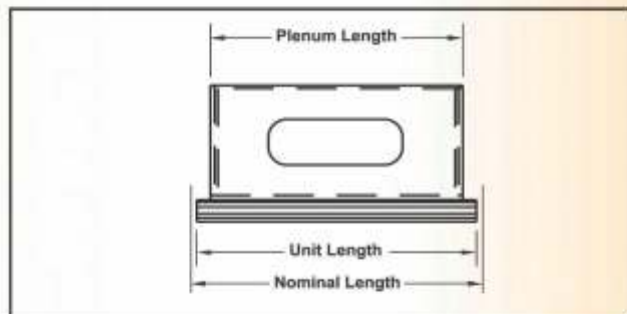
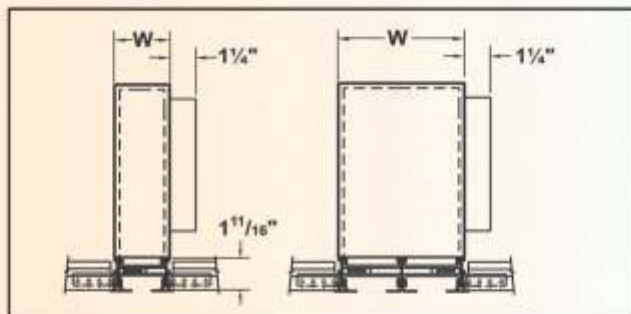
ADVANTAGES

- FBP diffusers are available with various frame styles to integrate with most ceiling systems. The FlowTee is designed for standard grid modules. FBP bolt-slot is designed to lay flush in the grid. Both are available insulated.



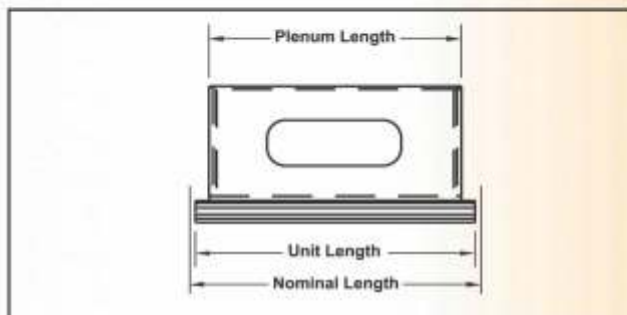
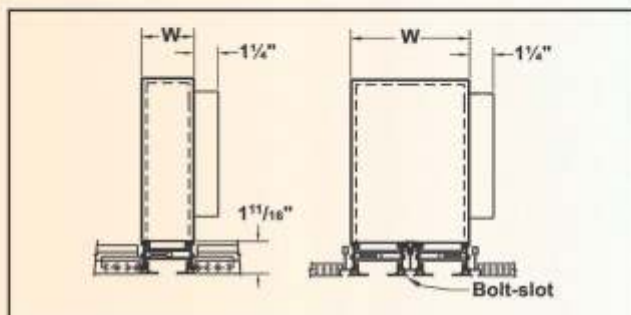
FLOWTEE APPLICATION FOR STANDARD MODELS

Shown below in 1- and 2- slot applications utilizing Border Type 66

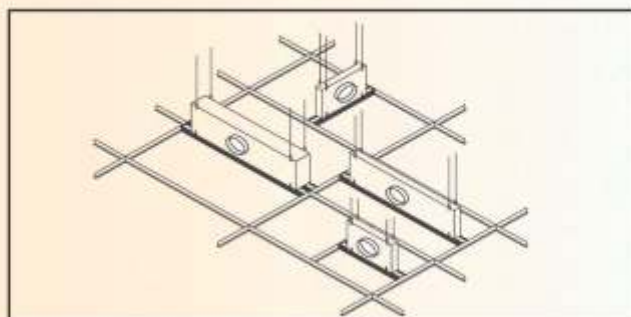


APPLICATION FOR BOLT-SLOT MODELS

Shown below in 1- and 2- slot applications utilizing Border Type 11



TYPICAL APPLICATIONS



DIMENSIONAL DATA

W (Width) Slots			Nominal Length	Available Inlets (inches)	Plenum Length (inches)		Unit Length (inches)	
1	2CRN	2CRA, 2CRB		Oval	Standard	Bolt-Slot	Standard	Bolt-Slot
2 ³ / ₄	6 ¹ / ₁₆	5 ³ / ₁₆	24, 48, 60	6, 8, 10, 12	21 ³ / ₄ , 45 ³ / ₄ , 57 ³ / ₄	21 ³ / ₈ , 45 ³ / ₈	23 ⁵ / ₈ , 47 ⁵ / ₈ , 59 ⁵ / ₈	23 ⁷ / ₁₆ , 47 ⁷ / ₁₆
3 ³ / ₄	8 ¹ / ₁₆	7 ³ / ₁₆	24, 48, 60	6, 8, 10, 12	21 ³ / ₄ , 45 ³ / ₄ , 57 ³ / ₄	21 ³ / ₈ , 45 ³ / ₈	23 ⁵ / ₈ , 47 ⁵ / ₈ , 59 ⁵ / ₈	23 ⁷ / ₁₆ , 47 ⁷ / ₁₆
4 ³ / ₄	10 ¹ / ₁₆	9 ³ / ₁₆	24, 48, 60	6, 8, 10, 12	21 ³ / ₄ , 45 ³ / ₄ , 57 ³ / ₄	21 ³ / ₈ , 45 ³ / ₈	23 ⁵ / ₈ , 47 ⁵ / ₈ , 59 ⁵ / ₈	23 ⁷ / ₁₆ , 47 ⁷ / ₁₆
2 ³ / ₄	6 ¹ / ₁₆	5 ³ / ₁₆	24, 48, 60	6, 8, 10, 12	21 ³ / ₄ , 45 ³ / ₄ , 57 ³ / ₄	21 ³ / ₈ , 45 ³ / ₈	23 ⁵ / ₈ , 47 ⁵ / ₈ , 59 ⁵ / ₈	23 ⁷ / ₁₆ , 47 ⁷ / ₁₆
3 ³ / ₄	8 ¹ / ₁₆	7 ³ / ₁₆	24, 48, 60	6, 8, 10, 12	21 ³ / ₄ , 45 ³ / ₄ , 57 ³ / ₄	21 ³ / ₈ , 45 ³ / ₈	23 ⁵ / ₈ , 47 ⁵ / ₈ , 59 ⁵ / ₈	23 ⁷ / ₁₆ , 47 ⁷ / ₁₆
4 ³ / ₄	10 ¹ / ₁₆	9 ³ / ₁₆	24, 48, 60	6, 8, 10, 12	21 ³ / ₄ , 45 ³ / ₄ , 57 ³ / ₄	21 ³ / ₈ , 45 ³ / ₈	23 ⁵ / ₈ , 47 ⁵ / ₈ , 59 ⁵ / ₈	23 ⁷ / ₁₆ , 47 ⁷ / ₁₆

PERFORMANCE DATA

FB WITH CONTINUOUS SLOT PLENUM & HIGHTHROW PATTERN CONTROLLER



1.0" Slot Width	1-Slot	Airflow, cfm/ft.	25	40	55	70	85	100	115
		Static Pressure	0.028	0.072	0.136	0.221	0.325	0.450	0.596
		NC (Noise Criteria)	<10	16	26	33	39	44	49
		Throw	5-8-14	9-13-18	12-15-21	14-17-24	15-19-27	17-20-29	18-22-31
	2-Slot	Airflow, cfm/ft.	50	75	100	125	150	175	200
		Static Pressure	0.028	0.063	0.113	0.176	0.253	0.345	0.450
		NC (Noise Criteria)	<10	17	26	33	39	44	48
		Throw	7-11-20	11-17-25	15-20-29	19-23-32	20-25-35	22-27-38	23-29-41
1.5" Slot Width	1-Slot	Airflow, cfm/ft.	30	45	60	75	90	105	120
		Static Pressure	0.032	0.073	0.130	0.203	0.292	0.398	0.520
		NC (Noise Criteria)	<10	14	24	31	37	42	48
		Throw	6-10-16	10-14-19	13-16-22	14-18-25	16-19-27	17-21-29	18-22-32
	2-Slot	Airflow, cfm/ft.	60	85	110	135	160	185	210
		Static Pressure	0.032	0.065	0.109	0.164	0.231	0.309	0.398
		NC (Noise Criteria)	<10	16	24	31	36	41	45
		Throw	9-14-22	13-19-27	17-21-30	19-24-33	21-26-36	23-28-39	24-29-42
2.0" Slot Width	1-Slot	Airflow, cfm/ft.	30	50	70	90	110	130	150
		Static Pressure	0.020	0.057	0.111	0.184	0.274	0.383	0.510
		NC (Noise Criteria)	<10	11	22	30	36	41	46
		Throw	5-9-16	9-14-20	13-17-24	16-19-27	17-21-30	19-23-33	20-25-35
	2-Slot	Airflow, cfm/ft.	60	95	130	165	200	235	270
		Static Pressure	0.020	0.051	0.096	0.154	0.227	0.313	0.413
		NC (Noise Criteria)	<10	12	22	30	36	41	46
		Throw	7-12-22	13-19-28	17-23-33	21-26-37	23-29-41	25-31-44	27-33-47
2.5" Slot Width	1-Slot	Airflow, cfm/ft.	30	55	80	105	130	155	180
		Static Pressure	0.012	0.041	0.088	0.151	0.232	0.329	0.444
		NC (Noise Criteria)	<10	11	23	31	38	43	48
		Throw	4-8-16	10-15-21	14-18-26	17-21-29	19-23-33	21-25-36	22-27-39
	2-Slot	Airflow, cfm/ft.	60	105	150	195	240	285	330
		Static Pressure	0.012	0.038	0.077	0.130	0.197	0.278	0.373
		NC (Noise Criteria)	<10	13	24	32	38	44	48
		Throw	6-11-22	13-20-29	19-25-35	23-28-40	26-32-45	28-34-49	30-37-52
3.0" Slot Width	1-Slot	Airflow, cfm/ft.	30	60	90	120	150	180	210
		Static Pressure	0.011	0.044	0.100	0.177	0.277	0.399	0.543
		NC (Noise Criteria)	<10	<10	18	27	34	40	45
		Throw	3-7-15	10-15-22	15-19-27	18-22-32	20-25-35	22-27-39	24-29-42
	2-Slot	Airflow, cfm/ft.	60	120	180	240	300	360	420
		Static Pressure	0.011	0.044	0.100	0.177	0.277	0.399	0.543
		NC (Noise Criteria)	<10	<10	21	30	37	43	48
		Throw	5-10-21	14-21-32	21-27-39	26-32-45	29-35-50	32-39-55	34-42-59

- All pressures are in inches of water
- Pressure loss data assumes a duct velocity less than 800 fpm in the inlet duct
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Throw data based on active sections 4 feet long. For a 2-foot section, the throw values are 0.72 times those shown. For a 10-foot continuous length, the throw values are 1.7 times those shown, 1.8 for 12-foot units.
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10⁻¹² watts, for a 4-foot section. (See Table A for other lengths). For supply units used as a return, add 3 NC.

Table A, NC Correction for length

Length, Feet	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- The tests were conducted with no plenum effect for pressure or sound
- Throw values for HighThrow units are based on a one-way discharge from the slot
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

Table B, Throw Correction Multiplier for length

Length, Feet	2	4	8	10	12
Throw Correction	0.72	0	1.5	1.7	1.8

PERFORMANCE DATA

FB WITH CONTINUOUS SLOT
PLENUM & HIGHTHROW PATTERN CONTROLLER



1.0" Slot Width	1-Slot 6" Inlet	2 ft.	Airflow, cfm	25	50	75	100	125	150	175
			Total Pressure	0.008	0.032	0.072	0.129	0.201	0.290	0.394
			Static Pressure	0.007	0.028	0.063	0.113	0.176	0.253	0.345
			NC (Noise Criteria)	<10	<10	<10	20	28	35	40
			Throw	1-2-6	3-6-10	6-9-12	8-10-14	9-11-16	10-12-18	11-13-19
		4 ft.	Airflow, cfm	40	80	120	160	200	240	280
			Total Pressure	0.007	0.028	0.064	0.114	0.177	0.255	0.348
			Static Pressure	0.005	0.018	0.041	0.072	0.113	0.162	0.221
			NC (Noise Criteria)	<10	<10	<10	16	24	31	37
			Throw	1-2-6	3-6-13	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24
		5 ft.	Airflow, cfm	50	100	150	200	250	300	350
			Total Pressure	0.009	0.034	0.077	0.137	0.214	0.308	0.419
			Static Pressure	0.005	0.018	0.041	0.072	0.113	0.162	0.221
			NC (Noise Criteria)	<10	<10	<10	18	26	33	38
			Throw	1-2-7	3-7-14	7-11-18	10-14-20	12-16-23	14-18-25	16-19-27
1.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	50	75	100	125	150	175	200
			Total Pressure	0.029	0.066	0.118	0.184	0.265	0.361	0.471
			Static Pressure	0.028	0.063	0.113	0.176	0.253	0.345	0.450
			NC (Noise Criteria)	<10	<10	19	27	34	40	44
			Throw	3-6-10	6-9-12	8-10-14	9-11-16	10-12-18	11-13-19	12-14-20
		4 ft.	Airflow, cfm	70	110	150	190	230	270	310
			Total Pressure	0.016	0.040	0.075	0.120	0.176	0.243	0.320
			Static Pressure	0.014	0.034	0.063	0.102	0.149	0.205	0.271
			NC (Noise Criteria)	<10	<10	13	22	29	35	40
			Throw	2-5-11	6-9-15	8-12-18	10-14-20	12-15-22	14-17-24	15-18-25
		5 ft.	Airflow, cfm	80	130	180	230	280	330	380
			Total Pressure	0.015	0.039	0.075	0.122	0.181	0.252	0.334
			Static Pressure	0.012	0.030	0.058	0.095	0.141	0.196	0.260
			NC (Noise Criteria)	<10	<10	13	22	29	35	40
			Throw	2-5-12	6-9-16	9-13-19	11-15-22	14-17-24	15-18-26	16-20-28
1.5" Slot Width	1-Slot 6" Inlet	2 ft.	Airflow, cfm	40	70	100	130	160	190	220
			Total Pressure	0.017	0.052	0.106	0.180	0.272	0.384	0.515
			Static Pressure	0.014	0.044	0.090	0.152	0.231	0.326	0.437
			NC (Noise Criteria)	<10	<10	16	25	33	40	46
			Throw	2-5-9	5-8-12	8-10-14	9-12-16	11-13-18	11-14-20	12-15-21
		4 ft.	Airflow, cfm	80	120	160	200	240	280	320
			Total Pressure	0.025	0.056	0.099	0.155	0.223	0.304	0.397
			Static Pressure	0.014	0.032	0.058	0.090	0.130	0.177	0.231
			NC (Noise Criteria)	<10	<10	12	20	27	33	38
			Throw	3-6-13	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26
		5 ft.	Airflow, cfm	90	140	190	240	290	340	390
			Total Pressure	0.025	0.060	0.111	0.176	0.258	0.354	0.466
			Static Pressure	0.012	0.028	0.052	0.083	0.121	0.167	0.220
			NC (Noise Criteria)	<10	<10	12	20	27	33	39
			Throw	3-6-13	6-10-17	9-14-20	11-16-22	14-17-24	15-19-27	16-20-28
1.5" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	40	70	100	130	160	190	220
			Total Pressure	0.015	0.047	0.095	0.161	0.244	0.344	0.461
			Static Pressure	0.014	0.044	0.090	0.152	0.231	0.326	0.437
			NC (Noise Criteria)	<10	<10	14	24	32	38	45
			Throw	2-5-9	5-8-12	8-10-14	9-12-16	11-13-18	11-14-20	12-15-21
		4 ft.	Airflow, cfm	80	130	180	230	280	330	380
			Total Pressure	0.018	0.047	0.090	0.146	0.217	0.301	0.400
			Static Pressure	0.014	0.038	0.073	0.119	0.177	0.246	0.326
			NC (Noise Criteria)	<10	<10	15	24	32	38	43
			Throw	3-6-13	7-10-16	10-14-19	12-15-22	14-17-24	15-18-26	16-20-28
		5 ft.	Airflow, cfm	90	150	210	270	330	390	450
			Total Pressure	0.016	0.044	0.086	0.143	0.213	0.298	0.396
			Static Pressure	0.012	0.032	0.064	0.105	0.157	0.220	0.292
			NC (Noise Criteria)	<10	<10	14	24	31	37	43
			Throw	3-6-13	7-11-18	10-15-21	13-17-24	15-18-26	16-20-28	18-22-31

Performance notes appear at end of table

PERFORMANCE DATA

FB WITH CONTINUOUS SLOT
PLENUM & HIGHTHROW PATTERN CONTROLLER



2.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	50	85	120	155	190	225	260
			Total Pressure	0.015	0.045	0.089	0.149	0.223	0.313	0.418
			Static Pressure	0.014	0.041	0.082	0.136	0.205	0.287	0.383
			NC (Noise Criteria)	<10	<10	12	21	28	35	40
			Throw	2-5-10	6-9-13	8-11-16	10-13-18	11-14-20	12-15-22	13-16-23
		4 ft.	Airflow, CFM	90	150	210	270	330	390	450
			Total Pressure	0.016	0.043	0.085	0.141	0.210	0.294	0.391
			Static Pressure	0.011	0.032	0.063	0.103	0.154	0.216	0.287
			NC (Noise Criteria)	<10	<10	20	29	36	42	48
			Throw	3-6-13	7-11-18	10-15-21	13-17-24	15-18-26	16-20-28	18-22-31
		5 ft.	Airflow, cfm	100	165	230	295	360	425	490
			Total Pressure	0.014	0.039	0.075	0.124	0.184	0.256	0.341
			Static Pressure	0.009	0.025	0.048	0.079	0.118	0.164	0.218
			NC (Noise Criteria)	<10	<10	19	28	36	42	47
			Throw	2-5-13	6-10-18	10-15-22	13-17-25	15-19-27	17-21-30	18-23-32
2.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	50	90	130	170	210	250	290
			Total Pressure	0.014	0.047	0.098	0.167	0.254	0.361	0.485
			Static Pressure	0.014	0.046	0.096	0.164	0.250	0.354	0.477
			NC (Noise Criteria)	<10	<10	<10	13	20	27	32
			Throw	2-5-10	6-9-14	9-12-16	11-13-19	12-15-21	13-16-23	14-17-24
		4 ft.	Airflow, cfm	90	165	240	315	390	465	540
			Total Pressure	0.012	0.041	0.087	0.151	0.231	0.328	0.443
			Static Pressure	0.011	0.039	0.082	0.141	0.216	0.306	0.413
			NC (Noise Criteria)	<10	<10	13	23	31	37	43
			Throw	3-6-13	8-12-18	11-16-22	15-18-26	16-20-28	18-22-31	19-24-33
		5 ft.	Airflow, cfm	100	190	280	370	460	550	640
			Total Pressure	0.010	0.036	0.079	0.138	0.213	0.305	0.413
			Static Pressure	0.009	0.033	0.071	0.124	0.192	0.274	0.372
			NC (Noise Criteria)	<10	<10	15	25	33	39	45
			Throw	2-5-13	8-12-20	12-17-24	16-20-28	18-22-31	19-24-34	21-26-36
2.5" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	100	145	190	235	280	325	370
			Total Pressure	0.036	0.076	0.131	0.201	0.285	0.384	0.498
			Static Pressure	0.034	0.072	0.124	0.189	0.269	0.362	0.469
			NC (Noise Criteria)	<10	<10	17	26	33	39	44
			Throw	6-10-14	9-12-17	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28
		4 ft.	Airflow, cfm	140	220	300	380	460	540	620
			Total Pressure	0.021	0.052	0.096	0.154	0.226	0.311	0.410
			Static Pressure	0.017	0.041	0.077	0.124	0.181	0.250	0.329
			NC (Noise Criteria)	<10	<10	20	29	37	44	49
			Throw	5-9-17	10-15-21	14-18-25	16-20-28	18-22-31	19-24-33	21-25-36
		5 ft.	Airflow, cfm	150	240	330	420	510	600	690
			Total Pressure	0.017	0.044	0.083	0.134	0.197	0.273	0.361
			Static Pressure	0.012	0.032	0.060	0.097	0.143	0.197	0.261
			NC (Noise Criteria)	<10	<10	18	28	36	43	49
			Throw	4-9-18	10-15-22	13-18-26	17-21-29	19-23-32	20-25-35	22-27-38
2.5" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	100	145	190	235	280	325	370
			Total Pressure	0.035	0.074	0.127	0.195	0.277	0.373	0.483
			Static Pressure	0.034	0.072	0.124	0.189	0.269	0.362	0.469
			NC (Noise Criteria)	<10	<10	12	21	28	34	40
			Throw	6-10-14	9-12-17	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28
		4 ft.	Airflow, cfm	140	225	310	395	480	565	650
			Total Pressure	0.019	0.049	0.092	0.149	0.221	0.306	0.405
			Static Pressure	0.017	0.043	0.082	0.134	0.197	0.273	0.362
			NC (Noise Criteria)	<10	<10	16	26	34	41	46
			Throw	5-9-17	10-15-22	14-18-25	17-20-29	18-22-32	20-24-34	21-26-37
		5 ft.	Airflow, cfm	150	250	350	450	550	650	750
			Total Pressure	0.015	0.041	0.080	0.132	0.196	0.274	0.365
			Static Pressure	0.012	0.034	0.067	0.111	0.166	0.232	0.308
			NC (Noise Criteria)	<10	<10	16	26	34	41	47
			Throw	4-9-18	10-15-23	14-19-27	18-22-31	19-24-34	21-26-37	23-28-39

Performance notes appear at end of table

PERFORMANCE DATA

FB WITH CONTINUOUS SLOT
PLENUM & HIGHTHROW PATTERN CONTROLLER



3.0" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	125	170	215	260	305	350	395
			Total Pressure	0.051	0.095	0.152	0.222	0.306	0.403	0.513
			Static Pressure	0.048	0.089	0.142	0.208	0.286	0.377	0.480
			NC (Noise Criteria)	<10	<10	15	23	30	36	41
			Throw	7-11-16	10-13-19	12-15-21	13-16-23	15-18-25	16-19-27	17-20-29
		4 ft.	Airflow, cfm	200	275	350	425	500	575	650
			Total Pressure	0.039	0.074	0.120	0.177	0.245	0.324	0.414
			Static Pressure	0.031	0.058	0.094	0.139	0.192	0.254	0.325
			NC (Noise Criteria)	<10	<10	17	25	32	39	44
			Throw	8-13-20	12-17-24	15-19-27	17-21-30	19-23-32	20-24-34	21-26-37
		5 ft.	Airflow, cfm	220	310	400	490	580	670	760
			Total Pressure	0.034	0.068	0.112	0.169	0.236	0.315	0.406
			Static Pressure	0.024	0.047	0.079	0.118	0.166	0.221	0.284
			NC (Noise Criteria)	<10	<10	17	25	33	40	46
			Throw	8-12-21	12-17-25	15-20-29	18-23-32	20-24-35	21-26-37	23-28-40
3.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	125	170	215	260	305	350	395
			Total Pressure	0.050	0.092	0.147	0.215	0.296	0.389	0.496
			Static Pressure	0.048	0.089	0.142	0.208	0.286	0.377	0.480
			NC (Noise Criteria)	<10	<10	11	19	26	32	37
			Throw	7-11-16	10-13-19	12-15-21	13-16-23	15-18-25	16-19-27	17-20-29
		4 ft.	Airflow, cfm	200	290	380	470	560	650	740
			Total Pressure	0.035	0.073	0.126	0.192	0.273	0.368	0.477
			Static Pressure	0.031	0.065	0.111	0.170	0.241	0.325	0.421
			NC (Noise Criteria)	<10	<10	16	26	33	40	45
			Throw	8-13-20	12-17-24	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39
		5 ft.	Airflow, cfm	220	330	440	550	660	770	880
			Total Pressure	0.029	0.065	0.115	0.180	0.259	0.352	0.460
			Static Pressure	0.024	0.054	0.095	0.149	0.215	0.292	0.381
			NC (Noise Criteria)	<10	<10	17	26	34	41	47
			Throw	8-12-21	12-18-26	16-21-30	19-24-34	21-26-37	23-28-40	25-30-43

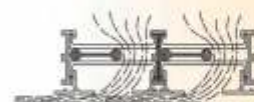
- All pressures are in inches of water
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10⁻¹² watts
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Conducted tests with FlowBar and plenums as a composite assembly

- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. If a factory-engineered plenum is not provided, Titus does not guarantee performance.
- Throw values for HighThrow units are based on a one-way discharge from the slot
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

PERFORMANCE DATA

FB - 2-SLOT, HIGHTHROW

PLENUM & HIGHTHROW PATTERN CONTROLLER

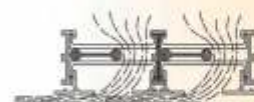


1.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, CFM	80	120	160	200	240	280	320
			Total Pressure	0.021	0.048	0.085	0.133	0.192	0.261	0.341
			Static Pressure	0.018	0.041	0.072	0.113	0.162	0.221	0.288
			NC (Noise Criteria)	<10	<10	15	24	30	36	41
			Throw	3-6-13	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26
		4 ft.	Airflow, CFM	160	230	300	370	440	510	580
			Total Pressure	0.031	0.064	0.109	0.167	0.235	0.316	0.409
			Static Pressure	0.018	0.037	0.063	0.096	0.136	0.183	0.237
			NC (Noise Criteria)	<10	<10	18	25	32	37	42
			Throw	4-9-18	9-13-22	11-17-25	14-20-28	17-21-30	19-23-32	20-24-35
		5 ft.	Airflow, CFM	200	280	360	440	520	600	680
			Total Pressure	0.039	0.075	0.125	0.186	0.260	0.347	0.445
			Static Pressure	0.018	0.035	0.058	0.087	0.122	0.162	0.208
			NC (Noise Criteria)	<10	<10	18	25	31	36	41
			Throw	5-10-20	9-14-24	12-18-27	15-21-30	18-23-33	20-25-35	22-27-38
1.0" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, CFM	80	130	180	230	280	330	380
			Total Pressure	0.019	0.051	0.098	0.160	0.237	0.329	0.437
			Static Pressure	0.018	0.048	0.091	0.149	0.221	0.307	0.407
			NC (Noise Criteria)	<10	<10	19	28	35	41	47
			Throw	3-6-13	7-11-16	10-14-19	12-15-22	14-17-24	15-18-26	16-20-28
		4 ft.	Airflow, CFM	160	240	320	400	480	560	640
			Total Pressure	0.023	0.053	0.094	0.146	0.211	0.287	0.374
			Static Pressure	0.018	0.041	0.072	0.113	0.162	0.221	0.288
			NC (Noise Criteria)	<10	<10	19	27	34	40	45
			Throw	4-9-18	9-14-22	12-18-26	15-20-29	18-22-32	20-24-34	21-26-36
		5 ft.	Airflow, CFM	200	295	390	485	580	675	770
			Total Pressure	0.026	0.057	0.100	0.155	0.222	0.301	0.392
			Static Pressure	0.018	0.039	0.069	0.106	0.152	0.205	0.267
			NC (Noise Criteria)	<10	<10	20	28	34	40	45
			Throw	5-10-20	10-15-25	13-20-28	17-22-32	20-24-35	22-26-37	23-28-40
1.5" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	120	160	200	240	280	320	360
			Total Pressure	0.040	0.071	0.111	0.159	0.217	0.283	0.359
			Static Pressure	0.032	0.058	0.090	0.130	0.177	0.231	0.292
			NC (Noise Criteria)	<10	11	19	26	32	37	41
			Throw	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26	16-19-27
		4 ft.	Airflow, cfm	240	310	380	450	520	590	660
			Total Pressure	0.062	0.103	0.155	0.218	0.291	0.375	0.469
			Static Pressure	0.032	0.054	0.081	0.114	0.152	0.196	0.246
			NC (Noise Criteria)	<10	15	22	28	34	38	43
			Throw	9-14-22	12-18-25	14-20-28	17-22-31	19-23-33	20-25-35	21-26-37
		5 ft.	Airflow, cfm	300	370	440	510	580	650	720
			Total Pressure	0.079	0.120	0.169	0.227	0.294	0.369	0.453
			Static Pressure	0.032	0.049	0.070	0.094	0.121	0.152	0.187
			NC (Noise Criteria)	<10	14	21	26	31	35	39
			Throw	10-15-25	13-19-28	15-21-30	17-23-32	20-24-35	21-26-37	22-27-39
1.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	120	170	220	270	320	370	420
			Total Pressure	0.034	0.068	0.114	0.172	0.241	0.323	0.416
			Static Pressure	0.032	0.065	0.109	0.164	0.231	0.309	0.398
			NC (Noise Criteria)	<10	11	21	29	35	40	45
			Throw	6-10-16	9-13-19	12-15-21	14-17-24	15-18-26	16-20-28	17-21-29
		4 ft.	Airflow, cfm	240	320	400	480	560	640	720
			Total Pressure	0.038	0.068	0.106	0.153	0.209	0.272	0.345
			Static Pressure	0.032	0.058	0.090	0.130	0.177	0.231	0.292
			NC (Noise Criteria)	<10	14	22	29	35	40	44
			Throw	9-14-22	12-18-26	15-20-29	18-22-32	20-24-34	21-26-36	22-27-39
		5 ft.	Airflow, cfm	300	400	500	600	700	800	900
			Total Pressure	0.042	0.074	0.116	0.166	0.226	0.296	0.374
			Static Pressure	0.032	0.058	0.090	0.130	0.177	0.231	0.292
			NC (Noise Criteria)	<10	15	24	31	36	41	46
			Throw	10-15-25	14-20-29	17-23-32	20-25-35	22-27-38	23-29-41	25-31-43

Performance notes appear at end of table

PERFORMANCE DATA

FB - 2-SLOT, HIGHTHROW
PLENUM & HIGHTHROW PATTERN CONTROLLER

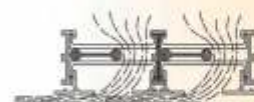


2.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	120	165	210	255	300	345	390
			Total Pressure	0.028	0.053	0.085	0.125	0.174	0.230	0.294
			Static Pressure	0.020	0.039	0.063	0.092	0.128	0.169	0.216
			NC (Noise Criteria)	<10	11	20	27	33	38	42
			Throw	5-9-16	8-12-18	10-15-21	12-16-23	14-18-25	15-19-27	16-20-28
		4 ft.	Airflow, cfm	240	300	360	420	480	540	600
			Total Pressure	0.050	0.078	0.112	0.153	0.200	0.253	0.312
			Static Pressure	0.020	0.032	0.046	0.063	0.082	0.103	0.128
			NC (Noise Criteria)	12	21	27	33	38	43	47
			Throw	7-12-22	10-15-25	12-18-27	14-21-29	16-22-32	18-24-33	20-25-35
		5 ft.	Airflow, cfm	260	325	390	455	520	585	650
			Total Pressure	0.050	0.078	0.112	0.153	0.200	0.253	0.312
			Static Pressure	0.015	0.024	0.034	0.047	0.061	0.078	0.096
			NC (Noise Criteria)	11	20	26	32	37	42	46
			Throw	6-12-23	9-15-26	12-18-28	14-20-31	16-23-33	18-25-35	19-26-37
2.0" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	120	195	270	345	420	495	570
			Total Pressure	0.022	0.058	0.111	0.181	0.268	0.372	0.493
			Static Pressure	0.020	0.054	0.103	0.169	0.250	0.347	0.460
			NC (Noise Criteria)	<10	<10	17	26	33	39	45
			Throw	5-9-16	9-14-20	13-17-24	15-19-27	17-21-29	18-23-32	20-24-34
		4 ft.	Airflow, cfm	240	330	420	510	600	690	780
			Total Pressure	0.026	0.050	0.080	0.118	0.164	0.217	0.277
			Static Pressure	0.020	0.039	0.063	0.092	0.128	0.169	0.216
			NC (Noise Criteria)	<10	12	21	28	34	39	44
			Throw	7-12-22	11-17-26	14-21-29	17-23-32	20-25-35	22-27-38	23-28-40
		5 ft.	Airflow, cfm	280	380	480	580	680	780	880
			Total Pressure	0.026	0.047	0.076	0.110	0.152	0.200	0.254
			Static Pressure	0.018	0.033	0.052	0.076	0.105	0.138	0.176
			NC (Noise Criteria)	<10	14	22	29	35	40	45
			Throw	6-13-24	11-17-28	14-22-32	17-24-35	20-27-38	23-28-40	25-30-43
2.5" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, cfm	80	160	240	320	400	480	560
			Total Pressure	0.007	0.027	0.061	0.109	0.171	0.246	0.334
			Static Pressure	0.005	0.022	0.049	0.088	0.137	0.197	0.269
			NC (Noise Criteria)	<10	<10	11	22	31	39	45
			Throw	2-4-11	7-11-18	11-16-22	14-18-26	17-20-29	18-22-32	20-24-34
		4 ft.	Airflow, cfm	160	280	400	520	640	760	880
			Total Pressure	0.011	0.033	0.068	0.115	0.174	0.245	0.328
			Static Pressure	0.005	0.017	0.034	0.058	0.088	0.124	0.166
			NC (Noise Criteria)	<10	<10	15	26	35	42	48
			Throw	3-6-15	8-13-24	13-19-29	17-23-33	20-26-36	23-28-40	25-30-43
		5 ft.	Airflow, cfm	200	335	470	605	740	875	1010
			Total Pressure	0.014	0.039	0.077	0.127	0.190	0.266	0.354
			Static Pressure	0.005	0.015	0.030	0.050	0.075	0.105	0.140
			NC (Noise Criteria)	<10	<10	17	27	35	42	48
			Throw	3-6-17	8-14-26	13-20-31	17-25-35	21-28-39	25-30-43	26-32-46
2.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	80	170	260	350	440	530	620
			Total Pressure	0.006	0.028	0.065	0.117	0.185	0.269	0.368
			Static Pressure	0.005	0.025	0.058	0.105	0.166	0.241	0.329
			NC (Noise Criteria)	<10	<10	<10	21	31	38	45
			Throw	2-4-11	8-11-19	12-16-23	16-19-27	17-21-30	19-23-33	21-25-36
		4 ft.	Airflow, cfm	160	295	430	565	700	835	970
			Total Pressure	0.008	0.027	0.058	0.101	0.155	0.220	0.297
			Static Pressure	0.005	0.019	0.040	0.068	0.105	0.149	0.202
			NC (Noise Criteria)	<10	<10	13	25	33	41	47
			Throw	3-6-15	9-14-25	14-21-30	18-24-34	22-27-38	24-29-42	26-32-45
		5 ft.	Airflow, cfm	200	350	500	650	800	950	1100
			Total Pressure	0.010	0.029	0.060	0.101	0.153	0.215	0.288
			Static Pressure	0.005	0.017	0.034	0.058	0.088	0.124	0.166
			NC (Noise Criteria)	<10	<10	14	25	34	41	47
			Throw	3-6-17	9-15-27	14-21-32	19-26-37	23-29-41	26-31-44	28-34-48

Performance notes appear at end of table

PERFORMANCE DATA

FB - 2-SLOT, HIGHTHROW
PLENUM & HIGHTHROW PATTERN CONTROLLER



3.0" Slot Width	2 Slot 10" Inlet	2 ft.	Airflow, cfm	80	180	280	380	480	580	680
			Total Pressure	0.006	0.032	0.077	0.141	0.226	0.329	0.453
			Static Pressure	0.005	0.025	0.060	0.111	0.177	0.259	0.356
			NC (Noise Criteria)	<10	<10	<10	20	31	39	46
			Throw	1-3-10	7-11-19	12-17-24	16-20-28	18-22-32	20-24-35	22-27-38
		4 ft.	Airflow, cfm	150	300	450	600	750	900	1050
			Total Pressure	0.009	0.036	0.081	0.145	0.226	0.326	0.444
			Static Pressure	0.004	0.017	0.039	0.069	0.108	0.156	0.212
			NC (Noise Criteria)	<10	<10	<10	22	32	41	48
			Throw	2-4-13	7-13-25	13-20-31	18-25-35	22-28-39	25-31-43	27-33-47
		5 ft.	Airflow, cfm	180	350	520	690	860	1030	1200
			Total Pressure	0.011	0.041	0.090	0.159	0.246	0.353	0.480
			Static Pressure	0.004	0.015	0.033	0.059	0.091	0.131	0.177
			NC (Noise Criteria)	<10	<10	10	23	33	41	48
			Throw	2-4-14	7-14-27	14-21-33	18-27-38	23-30-42	27-33-46	29-35-50
3.0" Slot Width	2 Slot 12" Inlet	2 ft.	Airflow, cfm	80	180	280	380	480	580	680
			Total Pressure	0.006	0.028	0.068	0.126	0.201	0.293	0.403
			Static Pressure	0.005	0.025	0.060	0.111	0.177	0.259	0.356
			NC (Noise Criteria)	<10	<10	<10	16	26	35	42
			Throw	1-3-10	7-11-19	12-17-24	16-20-28	18-22-32	20-24-35	22-27-38
		4 ft.	Airflow, cfm	150	310	470	630	790	950	1110
			Total Pressure	0.007	0.028	0.065	0.117	0.183	0.265	0.362
			Static Pressure	0.004	0.018	0.043	0.076	0.120	0.174	0.237
			NC (Noise Criteria)	<10	<10	<10	19	30	38	45
			Throw	2-4-13	8-14-25	14-21-31	19-26-36	23-29-40	26-31-44	28-34-48
		5 ft.	Airflow, cfm	180	360	540	720	900	1080	1260
			Total Pressure	0.007	0.029	0.065	0.116	0.182	0.262	0.356
			Static Pressure	0.004	0.016	0.036	0.064	0.100	0.144	0.195
			NC (Noise Criteria)	<10	<10	<10	20	30	38	45
			Throw	2-4-14	7-14-27	14-21-33	19-27-39	24-31-43	27-33-47	29-36-51

- All pressures are in inches of water
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10⁻¹² watts
- The tests were conducted with the FlowBar and plenums as a composite assembly
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. Titus can not guarantee performance if a factory engineered plenum is not provided.
- Throw values for HighThrow units are based on a one-way discharge from the slot
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

MODUFLOW 24 X 24 INCHES 1-SLOT DATA (BASED ON MF10 MODEL)

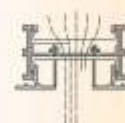


			Neck Velocity, (fpm)	300	400	500	600	700	750	800	850	900
			Velocity Pressure, (In. WG)	0.006	0.010	0.016	0.022	0.031	0.035	0.040	0.045	0.051
1" Slot Width	6" Dia Inlet	Airflow, cfm	59	79	98	118	137	147	157	167	177	
		Total Pressure, (In. WG)	0.015	0.027	0.043	0.062	0.084	0.096	0.110	0.124	0.139	
		NC (Noise Criteria)	-	-	12	18	22	24	26	28	30	
		Throw feet	0-1-4	1-2-6	1-3-8	2-4-9	2-5-10	3-6-11	3-6-11	3-7-12	4-7-12	
		Airflow, cfm	105	140	175	209	244	262	279	297	314	
	8" Dia Inlet	Total Pressure, (In. WG)	0.027	0.048	0.075	0.108	0.148	0.169	0.193	0.218	0.244	
		NC (Noise Criteria)	-	17	24	29	34	36	38	40	42	
		Throw feet	1-3-8	2-5-11	4-7-12	5-8-13	6-10-14	7-10-14	7-11-15	8-11-15	8-11-16	
		Airflow, cfm	164	218	273	327	382	409	436	464	491	
	10" Dia Inlet	Total Pressure, (In. WG)	0.042	0.075	0.116	0.168	0.228	0.262	0.298	0.336	0.377	
		NC (Noise Criteria)	18	26	33	39	43	45	47	49	51	
		Throw feet	3-6-11	6-9-13	7-10-15	9-11-16	10-12-17	10-13-18	11-13-19	11-14-19	11-14-20	

- All data based on tests conducted in accordance with ASHRAE Standard 70-2006
- Throw based on Isothermal air, at 150, 100 and 50 fpm terminal velocities
- NC based on a 10 dB reduction in discharge sound in all octave bands for room absorption

PERFORMANCE DATA

JFB WITH CONTINUOUS SLOT
PLENUM AND JETTHROW PATTERN CONTROLLER



1.0" Slot Width	1-Slot	Airflow, cfm/ft.	20	40	60	80	100	120	140
		Static Pressure	0.007	0.027	0.061	0.109	0.170	0.245	0.334
		NC (Noise Criteria)	<10	<10	17	24	28	32	36
		Throw	2-3-7	4-7-13	7-10-19	9-13-22	11-17-24	13-19-26	15-20-29
	2-Slot	Airflow, cfm/ft.	40	85	130	175	220	265	310
		Static Pressure	0.007	0.031	0.072	0.130	0.206	0.299	0.409
		NC (Noise Criteria)	<10	11	22	29	34	38	42
		Throw	3-5-9	7-10-20	10-15-27	14-20-32	17-25-36	21-28-39	24-30-42
1.5" Slot Width	1-Slot	Airflow, cfm/ft.	30	60	90	120	150	180	210
		Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
		NC (Noise Criteria)	<10	<10	17	22	28	33	37
		Throw	2-4-7	5-7-15	7-11-22	10-15-26	12-18-30	15-22-32	17-25-35
	2-Slot	Airflow, cfm/ft.	60	120	180	240	300	360	420
		Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
		NC (Noise Criteria)	<10	<10	19	27	32	37	40
		Throw	2-5-10	7-10-21	10-15-31	14-21-37	17-26-42	21-31-46	24-35-49
2.0" Slot Width	1-Slot	Airflow, cfm/ft.	35	75	115	155	195	235	275
		Static Pressure	0.006	0.026	0.062	0.112	0.178	0.258	0.353
		NC (Noise Criteria)	<10	<10	17	24	29	33	37
		Throw	1-3-7	5-8-15	8-12-23	10-16-30	13-20-34	16-24-37	18-28-40
	2-Slot	Airflow, cfm/ft.	70	150	230	310	390	470	550
		Static Pressure	0.006	0.026	0.062	0.112	0.178	0.258	0.353
		NC (Noise Criteria)	<10	<10	19	26	32	36	40
		Throw	2-4-10	7-11-21	11-16-33	15-22-42	18-28-48	22-33-52	26-39-57
2.5" Slot Width	1-Slot	Airflow, cfm/ft.	40	95	150	205	260	315	370
		Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412
		NC (Noise Criteria)	<10	<10	18	25	30	35	39
		Throw	1-3-7	6-8-17	9-13-26	12-18-35	15-23-39	18-28-43	22-33-46
	2-Slot	Airflow, cfm/ft.	80	190	300	410	520	630	740
		Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412
		NC (Noise Criteria)	<10	11	22	28	34	38	42
		Throw	2-4-10	8-12-24	12-19-37	17-26-49	22-32-55	26-39-60	31-46-66
3.0" Slot Width	1-Slot	Airflow, cfm/ft.	50	115	180	245	310	375	440
		Static Pressure	0.005	0.028	0.067	0.125	0.200	0.293	0.403
		NC (Noise Criteria)	<10	<10	17	24	30	34	38
		Throw	1-3-8	6-9-18	9-14-28	13-19-38	16-24-42	20-29-47	23-34-51
	2-Slot	Airflow, cfm/ft.	100	230	360	490	620	750	880
		Static Pressure	0.005	0.028	0.067	0.125	0.200	0.293	0.403
		NC (Noise Criteria)	<10	<10	21	27	34	39	43
		Throw	2-4-11	8-13-25	13-20-40	18-27-53	23-34-60	28-42-66	33-49-71

- All pressures are in inches of water
- Pressure loss data assumes a duct velocity less than 800 fpm in the inlet duct
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Throw data based on active sections 4 feet long. For a 2-foot section, throw values are 0.72 times those shown.
- For a 10-foot continuous length, the throw values are 1.7 times those shown, 1.8 for 12-foot units
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10⁻¹² watts for a 4-foot section (See Table A for other lengths). For supply units used as a return, add 3 NC.

Table A, NC Correction for length

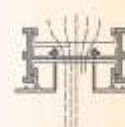
Length, Feet	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- The tests were conducted with no plenum effect for pressure or sound
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (vertical blow)
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

Table B, Throw Correction Multiplier for length

Length, Feet	2	4	8	10	12
Throw Correction	0.72	1	1.5	1.7	1.8

PERFORMANCE DATA



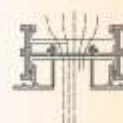
JFB WITH CONTINUOUS SLOT
PLENUM AND JETTHROW PATTERN CONTROLLER

1.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.012	0.043	0.093	0.163	0.252	0.361	0.488
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	16	23	29	34	39
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
		4 ft.	Airflow, cfm	100	175	250	325	400	475	550
			Total Pressure	0.016	0.048	0.099	0.166	0.252	0.356	0.477
			Static Pressure	0.011	0.033	0.066	0.112	0.170	0.240	0.322
			NC	<10	<10	18	25	30	34	38
			Throw	3-4-8	5-7-14	7-10-19	9-13-22	11-17-24	13-19-26	15-20-28
		5 ft.	Airflow, cfm	110	195	280	365	450	535	620
			Total Pressure	0.014	0.045	0.094	0.159	0.242	0.342	0.459
			Static Pressure	0.008	0.026	0.053	0.091	0.138	0.195	0.262
			NC	<10	<10	17	24	29	33	37
			Throw	3-4-8	5-7-14	7-10-20	9-13-23	11-17-26	13-20-28	15-21-30
1.0" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.011	0.040	0.088	0.153	0.236	0.338	0.457
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	16	22	28	33	38
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
		4 ft.	Airflow, cfm	100	180	260	340	420	500	580
			Total Pressure	0.013	0.041	0.086	0.147	0.225	0.318	0.428
			Static Pressure	0.011	0.034	0.072	0.123	0.188	0.266	0.358
			NC	<10	<10	18	25	30	35	39
			Throw	3-4-8	5-7-15	7-11-19	9-14-22	12-17-25	14-19-27	16-21-29
		5 ft.	Airflow, cfm	110	210	310	410	510	610	710
			Total Pressure	0.011	0.039	0.086	0.150	0.232	0.331	0.449
			Static Pressure	0.008	0.030	0.065	0.114	0.177	0.253	0.343
			NC	<10	<10	19	26	31	35	40
			Throw	3-4-8	5-8-16	8-11-21	10-15-24	13-19-27	15-21-30	18-23-32
1.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.011	0.039	0.085	0.149	0.230	0.329	0.446
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	15	22	27	32	38
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
		4 ft.	Airflow, cfm	100	190	280	370	460	550	640
			Total Pressure	0.012	0.042	0.091	0.159	0.247	0.352	0.477
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	10	19	26	32	37	42
			Throw	3-4-8	5-8-16	8-12-20	10-15-23	13-18-26	15-20-28	18-22-30
		5 ft.	Airflow, cfm	110	220	330	440	550	660	770
			Total Pressure	0.009	0.038	0.085	0.151	0.237	0.341	0.464
			Static Pressure	0.008	0.033	0.074	0.132	0.206	0.297	0.404
			NC	<10	<10	20	27	32	37	42
			Throw	3-4-8	5-8-16	8-12-22	11-16-25	14-20-28	16-22-31	19-24-33
1.5" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	60	110	160	210	260	310	360
			Total Pressure	0.014	0.046	0.097	0.167	0.257	0.365	0.492
			Static Pressure	0.008	0.026	0.056	0.096	0.147	0.209	0.282
			NC	<10	<10	<10	16	24	31	37
			Throw	1-3-5	3-5-9	5-7-14	6-9-17	7-11-19	9-13-21	10-15-23
		4 ft.	Airflow, cfm	120	180	240	300	360	420	480
			Total Pressure	0.031	0.070	0.125	0.195	0.280	0.382	0.498
			Static Pressure	0.008	0.018	0.031	0.049	0.070	0.096	0.125
			NC	<10	<10	<10	<10	16	22	27
			Throw	2-4-7	4-5-11	5-7-15	6-9-18	7-11-22	8-13-25	10-15-26
		5 ft.	Airflow, cfm	140	200	260	320	380	440	500
			Total Pressure	0.039	0.079	0.133	0.201	0.284	0.381	0.492
			Static Pressure	0.007	0.014	0.024	0.036	0.050	0.067	0.087
			NC	<10	<10	<10	<10	12	17	22
			Throw	2-4-8	4-5-11	5-7-14	6-9-17	7-10-21	8-12-24	9-14-27

Performance notes appear at end of table

PERFORMANCE DATA

JFB WITH CONTINUOUS SLOT
PLENUM AND JETTHROW PATTERN CONTROLLER

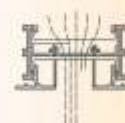


1.5" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	60	125	190	255	320	385	450
			Total Pressure	0.009	0.037	0.086	0.155	0.244	0.354	0.483
			Static Pressure	0.008	0.034	0.079	0.141	0.223	0.322	0.441
			NC	<10	<10	<10	19	28	36	44
			Throw	1-3-5	4-5-11	5-8-16	7-11-19	9-14-22	11-17-24	13-18-26
		4 ft.	Airflow, cfm	120	230	340	450	560	670	780
			Total Pressure	0.011	0.040	0.087	0.153	0.236	0.338	0.459
			Static Pressure	0.008	0.029	0.063	0.110	0.171	0.244	0.331
			NC	<10	<10	10	20	29	36	42
			Throw	2-4-7	5-7-14	7-10-21	9-14-26	11-17-29	14-20-31	16-24-34
		5 ft.	Airflow, cfm	140	265	390	515	640	765	890
			Total Pressure	0.011	0.039	0.085	0.148	0.229	0.327	0.442
			Static Pressure	0.007	0.024	0.053	0.092	0.143	0.204	0.276
			NC	<10	<10	<10	19	27	34	40
			Throw	2-4-8	5-7-14	7-11-21	9-14-27	12-17-30	14-21-33	16-24-36
1.5" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	60	125	190	255	320	385	450
			Total Pressure	0.008	0.036	0.082	0.148	0.233	0.337	0.461
			Static Pressure	0.008	0.034	0.079	0.141	0.223	0.322	0.441
			NC	<10	<10	<10	18	27	35	43
			Throw	1-3-5	4-5-11	5-8-16	7-11-19	9-14-22	11-17-24	13-18-26
		4 ft.	Airflow, cfm	120	240	360	480	600	720	840
			Total Pressure	0.009	0.037	0.084	0.149	0.232	0.334	0.455
			Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
			NC	<10	<10	10	21	30	37	45
			Throw	2-4-7	5-7-15	7-11-22	10-15-26	12-18-30	15-22-32	17-25-35
		5 ft.	Airflow, cfm	140	280	420	560	700	840	980
			Total Pressure	0.009	0.035	0.079	0.141	0.220	0.317	0.432
			Static Pressure	0.007	0.027	0.061	0.109	0.171	0.246	0.334
			NC	<10	<10	10	21	29	36	43
			Throw	2-4-8	5-8-15	8-11-23	10-15-29	13-19-32	15-23-35	18-27-38
2.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	70	140	210	280	350	420	490
			Total Pressure	0.008	0.033	0.074	0.132	0.206	0.296	0.403
			Static Pressure	0.006	0.023	0.052	0.092	0.143	0.206	0.280
			NC	<10	<10	14	21	27	33	38
			Throw	1-2-5	3-5-10	5-7-15	7-10-20	8-12-23	10-15-25	12-17-27
		4 ft.	Airflow, cfm	140	240	340	440	540	640	740
			Total Pressure	0.016	0.046	0.093	0.156	0.235	0.329	0.440
			Static Pressure	0.006	0.017	0.034	0.057	0.085	0.120	0.160
			NC	<10	12	21	27	32	36	40
			Throw	1-3-7	4-6-12	6-9-17	7-11-22	9-14-27	11-16-30	12-19-33
		5 ft.	Airflow, cfm	150	260	370	480	590	700	810
			Total Pressure	0.016	0.047	0.096	0.161	0.243	0.343	0.459
			Static Pressure	0.004	0.013	0.026	0.043	0.065	0.092	0.123
			NC	<10	13	21	27	32	36	40
			Throw	1-3-7	3-6-12	6-8-17	7-11-22	9-13-27	10-16-31	12-18-34
2.0" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	70	150	230	310	390	470	550
			Total Pressure	0.007	0.031	0.073	0.132	0.210	0.304	0.417
			Static Pressure	0.006	0.026	0.062	0.112	0.178	0.258	0.353
			NC	<10	<10	11	18	26	31	36
			Throw	1-2-5	4-5-11	5-8-16	7-11-21	9-14-24	11-17-26	13-20-28
		4 ft.	Airflow, cfm	140	265	390	515	640	765	890
			Total Pressure	0.010	0.035	0.076	0.133	0.206	0.294	0.398
			Static Pressure	0.006	0.021	0.044	0.077	0.120	0.171	0.231
			NC	<10	10	19	25	30	36	41
			Throw	1-3-7	4-7-13	7-10-20	9-13-26	11-16-30	13-19-33	15-22-36
		5 ft.	Airflow, cfm	150	300	450	600	750	900	1050
			Total Pressure	0.009	0.036	0.080	0.143	0.223	0.321	0.437
			Static Pressure	0.004	0.017	0.038	0.067	0.105	0.151	0.206
			NC	<10	11	21	27	33	37	42
			Throw	1-3-7	4-7-13	7-10-20	9-13-27	11-17-33	13-20-36	16-24-39

Performance notes appear at end of table

PERFORMANCE DATA

JFB WITH CONTINUOUS SLOT
PLENUM AND JETTHROW PATTERN CONTROLLER



2.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	70	160	250	340	430	520	610
			Total Pressure	0.006	0.032	0.079	0.147	0.235	0.343	0.472
			Static Pressure	0.006	0.030	0.073	0.135	0.216	0.316	0.435
			NC	<10	<10	<10	17	25	31	36
			Throw	1-2-5	4-6-11	6-9-18	8-12-22	10-15-25	12-18-27	14-21-30
		4 ft.	Airflow, cfm	140	290	440	590	740	890	1040
			Total Pressure	0.008	0.033	0.076	0.137	0.215	0.311	0.425
			Static Pressure	0.006	0.025	0.057	0.102	0.160	0.231	0.316
			NC	<10	<10	17	24	31	37	41
			Throw	1-3-7	5-7-15	7-11-22	10-15-29	12-19-33	15-22-36	17-26-39
		5 ft.	Airflow, cfm	150	330	510	690	870	1050	1230
			Total Pressure	0.006	0.031	0.075	0.137	0.218	0.318	0.436
			Static Pressure	0.004	0.020	0.049	0.089	0.141	0.206	0.283
			NC	<10	<10	19	26	32	38	43
Throw	1-3-7		5-7-15	8-11-23	10-16-31	13-20-36	16-24-39	18-28-42		
2.5" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	80	190	300	410	520	630	740
			Total Pressure	0.005	0.031	0.077	0.143	0.231	0.339	0.467
			Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412
			NC	<10	<10	<10	12	20	26	33
			Throw	1-2-5	4-6-12	6-9-19	9-13-24	11-16-27	13-20-30	15-23-33
		4 ft.	Airflow, cfm	150	335	520	705	890	1075	1260
			Total Pressure	0.007	0.032	0.078	0.144	0.229	0.334	0.459
			Static Pressure	0.004	0.021	0.051	0.093	0.149	0.217	0.298
			NC	<10	<10	<10	18	26	32	38
			Throw	1-2-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-40	18-28-43
		5 ft.	Airflow, cfm	160	370	580	790	1000	1210	1420
			Total Pressure	0.006	0.030	0.075	0.138	0.222	0.324	0.447
			Static Pressure	0.003	0.016	0.040	0.075	0.120	0.176	0.243
			NC	<10	<10	<10	18	26	32	38
Throw	1-2-6		5-7-15	8-11-23	10-16-31	13-20-38	16-24-42	19-28-45		
3.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	100	225	350	475	600	725	850
			Total Pressure	0.006	0.031	0.076	0.140	0.224	0.327	0.449
			Static Pressure	0.005	0.026	0.064	0.117	0.187	0.274	0.376
			NC	<10	<10	<10	<10	15	24	31
			Throw	1-2-6	4-6-12	6-10-19	9-13-26	11-17-30	13-20-32	16-24-35
		4 ft.	Airflow, cfm	200	400	600	800	1000	1200	1400
			Total Pressure	0.009	0.037	0.083	0.148	0.231	0.333	0.454
			Static Pressure	0.005	0.021	0.047	0.083	0.130	0.187	0.255
			NC	<10	<10	<10	<10	17	25	32
			Throw	1-3-8	5-8-16	8-12-24	10-16-31	13-20-38	16-24-42	18-27-45
		5 ft.	Airflow, cfm	240	460	680	900	1120	1340	1560
			Total Pressure	0.011	0.039	0.085	0.149	0.231	0.331	0.449
			Static Pressure	0.005	0.018	0.039	0.067	0.105	0.150	0.203
			NC	<10	<10	<10	<10	15	24	30
Throw	1-3-8		5-8-16	8-12-24	11-16-32	13-20-39	16-23-44	18-27-48		

- All pressures are in inches of water.
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10⁻¹² watts.
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. Titus can not guarantee performance if a factory engineered plenum is not provided.

- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (vertical blow).
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet.

PERFORMANCE DATA

JFB - 2-SLOT,
PLENUM AND JETTHROW PATTERN CONTROLLER



1.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	80	155	230	305	380	455	530
			Total Pressure	0.010	0.038	0.083	0.147	0.228	0.326	0.443
			Static Pressure	0.007	0.026	0.056	0.099	0.154	0.220	0.299
			NC	<10	<10	16	23	29	33	37
			Throw	2-3-7	4-6-13	6-10-18	8-13-21	10-16-23	13-18-26	15-20-28
		4 ft.	Airflow, cfm	160	260	360	460	560	660	760
			Total Pressure	0.020	0.053	0.101	0.165	0.244	0.339	0.450
			Static Pressure	0.007	0.018	0.034	0.056	0.083	0.116	0.154
			NC	<10	<10	15	21	26	30	33
			Throw	3-5-9	5-8-15	7-11-21	9-13-26	11-16-29	13-19-31	15-22-33
		5 ft.	Airflow, cfm	200	300	400	500	600	700	800
			Total Pressure	0.027	0.061	0.109	0.171	0.246	0.334	0.437
			Static Pressure	0.007	0.015	0.027	0.043	0.061	0.083	0.109
			NC	<10	<10	13	19	23	27	30
			Throw	3-5-10	5-8-16	7-10-21	9-13-26	10-16-30	12-18-32	14-21-34
1.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	80	165	250	335	420	505	590
			Total Pressure	0.008	0.035	0.080	0.143	0.225	0.325	0.443
			Static Pressure	0.007	0.029	0.066	0.119	0.188	0.271	0.370
			NC	<10	<10	17	25	30	35	40
			Throw	2-3-7	5-7-14	7-10-19	9-14-22	12-17-25	14-19-27	16-21-29
		4 ft.	Airflow, cfm	160	300	440	580	720	860	1000
			Total Pressure	0.012	0.043	0.092	0.160	0.247	0.352	0.476
			Static Pressure	0.007	0.024	0.051	0.089	0.138	0.197	0.266
			NC	<10	<10	19	26	31	35	39
			Throw	3-5-9	6-9-18	9-13-25	11-17-29	14-21-32	17-25-35	19-27-38
		5 ft.	Airflow, cfm	200	350	500	650	800	950	1100
			Total Pressure	0.015	0.047	0.095	0.161	0.243	0.343	0.460
			Static Pressure	0.007	0.021	0.043	0.072	0.109	0.154	0.206
			NC	<10	<10	18	24	30	34	37
			Throw	3-5-10	6-9-18	9-13-26	11-17-31	14-21-34	17-25-37	19-28-40
1.0" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	80	170	260	350	440	530	620
			Total Pressure	0.007	0.034	0.079	0.143	0.226	0.327	0.448
			Static Pressure	0.007	0.031	0.072	0.130	0.206	0.299	0.409
			NC	<10	<10	18	25	31	36	41
			Throw	2-3-7	5-7-14	7-11-19	10-14-23	12-18-25	15-20-28	17-21-30
		4 ft.	Airflow, cfm	160	320	480	640	800	960	1120
			Total Pressure	0.009	0.038	0.085	0.150	0.235	0.338	0.461
			Static Pressure	0.007	0.027	0.061	0.109	0.170	0.245	0.334
			NC	<10	10	20	27	33	37	42
			Throw	3-5-9	6-9-19	9-14-26	12-19-30	16-23-34	19-26-37	22-29-40
		5 ft.	Airflow, cfm	200	375	550	725	900	1075	1250
			Total Pressure	0.011	0.038	0.082	0.143	0.220	0.314	0.424
			Static Pressure	0.007	0.024	0.051	0.089	0.138	0.197	0.266
			NC	<10	10	20	26	32	36	40
			Throw	3-5-10	7-10-20	10-14-28	13-19-32	16-24-36	19-28-40	22-30-43
1.5" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	120	210	300	390	480	570	660
			Total Pressure	0.015	0.047	0.095	0.161	0.243	0.343	0.460
			Static Pressure	0.008	0.024	0.049	0.083	0.125	0.177	0.237
			NC	<10	<10	<10	17	25	31	37
			Throw	2-4-7	4-6-13	6-9-18	8-12-24	10-15-26	12-17-29	13-20-31
		4 ft.	Airflow, cfm	240	340	440	540	640	740	840
			Total Pressure	0.037	0.075	0.126	0.189	0.266	0.355	0.458
			Static Pressure	0.008	0.016	0.026	0.040	0.056	0.074	0.096
			NC	<10	<10	<10	<10	15	21	26
			Throw	2-5-10	5-7-15	6-9-19	8-12-23	9-14-27	11-16-32	12-18-35
		5 ft.	Airflow, cfm	260	365	470	575	680	785	890
			Total Pressure	0.041	0.080	0.132	0.198	0.277	0.369	0.475
			Static Pressure	0.006	0.012	0.019	0.029	0.040	0.054	0.069
			NC	<10	<10	<10	<10	11	17	21
			Throw	2-5-10	4-7-14	6-9-18	7-11-22	9-13-26	10-15-30	11-17-34

Performance notes appear at end of table

PERFORMANCE DATA

JFB - 2-SLOT,
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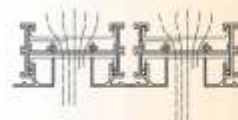


1.5" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, cfm	120	230	340	450	560	670	780
			Total Pressure	0.011	0.040	0.087	0.153	0.236	0.338	0.459
			Static Pressure	0.008	0.029	0.063	0.110	0.171	0.244	0.331
			NC	<10	<10	10	20	29	36	42
			Throw	2-4-7	5-7-14	7-10-21	9-14-26	11-17-29	14-20-31	16-24-34
		4 ft.	Airflow, cfm	240	390	540	690	840	990	1140
			Total Pressure	0.020	0.053	0.101	0.165	0.244	0.339	0.449
			Static Pressure	0.008	0.021	0.040	0.065	0.096	0.133	0.177
			NC	<10	<10	<10	16	24	30	35
			Throw	2-5-10	6-8-17	8-12-23	10-15-30	12-18-35	14-21-38	16-24-41
		5 ft.	Airflow, cfm	260	425	590	755	920	1085	1250
			Total Pressure	0.020	0.054	0.103	0.169	0.251	0.350	0.464
			Static Pressure	0.006	0.016	0.030	0.050	0.074	0.102	0.136
			NC	<10	<10	<10	13	21	27	32
			Throw	2-5-10	5-8-16	8-11-23	10-14-29	12-18-35	14-21-40	16-24-43
1.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	120	240	360	480	600	720	840
			Total Pressure	0.009	0.037	0.084	0.149	0.232	0.334	0.455
			Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
			NC	<10	<10	10	21	30	37	45
			Throw	2-4-7	5-7-15	7-11-22	10-15-26	12-18-30	15-22-32	17-25-35
		4 ft.	Airflow, cfm	240	415	590	765	940	1115	1290
			Total Pressure	0.014	0.041	0.083	0.139	0.210	0.295	0.395
			Static Pressure	0.008	0.023	0.047	0.080	0.120	0.169	0.226
			NC	<10	<10	<10	19	27	33	39
			Throw	2-5-10	6-9-18	8-13-25	11-16-33	13-20-37	16-24-40	18-28-43
		5 ft.	Airflow, cfm	260	440	620	800	980	1160	1340
			Total Pressure	0.013	0.036	0.072	0.120	0.181	0.253	0.338
			Static Pressure	0.006	0.017	0.033	0.056	0.084	0.117	0.156
			NC	<10	<10	<10	14	22	28	34
			Throw	2-5-10	6-8-17	8-12-24	10-15-31	13-19-38	15-22-41	17-26-44
2.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	70	140	210	280	350	420	490
			Total Pressure	0.008	0.033	0.074	0.132	0.206	0.296	0.403
			Static Pressure	0.006	0.017	0.034	0.057	0.085	0.120	0.160
			NC	<10	12	21	27	32	36	40
			Throw	1-3-7	4-6-12	6-9-17	7-11-22	9-14-27	11-16-30	12-19-33
		4 ft.	Airflow, cfm	250	355	460	565	670	775	880
			Total Pressure	0.037	0.074	0.124	0.187	0.263	0.352	0.453
			Static Pressure	0.005	0.009	0.015	0.023	0.033	0.044	0.057
			NC	<10	17	23	28	32	35	38
			Throw	2-3-9	3-6-13	5-8-16	7-10-20	8-12-24	9-14-28	10-16-31
		5 ft.	Airflow, cfm	280	390	500	610	720	830	940
			Total Pressure	0.044	0.085	0.140	0.208	0.290	0.385	0.494
			Static Pressure	0.004	0.007	0.012	0.017	0.024	0.032	0.041
			NC	10	18	24	28	32	36	38
			Throw	1-3-9	3-6-12	4-8-16	6-10-19	8-11-23	9-13-26	10-15-30
2.0" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, cfm	140	275	410	545	680	815	950
			Total Pressure	0.010	0.038	0.084	0.149	0.232	0.333	0.453
			Static Pressure	0.006	0.022	0.049	0.087	0.135	0.194	0.263
			NC	<10	10	20	27	32	38	43
			Throw	1-3-7	5-7-14	7-10-21	9-14-27	11-17-31	14-20-34	16-24-37
		4 ft.	Airflow, cfm	250	425	600	775	950	1125	1300
			Total Pressure	0.018	0.051	0.102	0.170	0.255	0.358	0.478
			Static Pressure	0.005	0.013	0.026	0.044	0.066	0.092	0.123
			NC	<10	16	24	30	35	39	42
			Throw	2-3-9	4-8-15	7-11-21	9-14-28	11-17-34	13-20-40	15-23-43
		5 ft.	Airflow, cfm	280	460	640	820	1000	1180	1360
			Total Pressure	0.020	0.054	0.105	0.173	0.257	0.357	0.475
			Static Pressure	0.004	0.010	0.019	0.031	0.047	0.065	0.086
			NC	<10	16	24	30	35	39	42
			Throw	1-3-9	4-7-15	7-10-20	9-13-26	11-16-32	12-19-37	14-22-43

Performance notes appear at end of table

PERFORMANCE DATA

JFB - 2-SLOT,
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2.0" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	140	280	420	560	700	840	980
			Total Pressure	0.010	0.031	0.069	0.130	0.193	0.277	0.378
			Static Pressure	0.006	0.023	0.052	0.092	0.143	0.206	0.280
			NC	<10	<10	16	24	29	35	40
			Throw	1-3-7	5-7-14	7-11-21	9-14-28	12-18-32	14-21-35	16-25-38
		4 ft.	Airflow, cfm	250	450	650	850	1050	1250	1450
			Total Pressure	0.080	0.035	0.074	0.130	0.192	0.272	0.390
			Static Pressure	0.005	0.015	0.031	0.053	0.080	0.114	0.153
			NC	<10	13	22	28	33	37	42
			Throw	2-3-9	5-8-16	8-12-23	10-15-30	12-19-37	15-22-43	17-26-46
		5 ft.	Airflow, cfm	280	480	680	880	1080	1280	1480
			Total Pressure	0.012	0.034	0.070	0.115	0.173	0.242	0.324
			Static Pressure	0.004	0.011	0.022	0.036	0.054	0.077	0.102
			NC	<10	13	21	27	32	36	40
			Throw	1-3-9	4-8-15	7-11-22	9-14-28	11-17-34	14-20-41	16-24-46
2.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	150	335	520	705	890	1075	1260
			Total Pressure	0.010	0.032	0.078	0.150	0.229	0.334	0.480
			Static Pressure	0.004	0.021	0.051	0.093	0.149	0.217	0.298
			NC	<10	<10	<10	18	26	32	39
			Throw	1-2-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-40	18-27-43
		4 ft.	Airflow, cfm	300	540	780	1020	1260	1500	1740
			Total Pressure	0.010	0.043	0.090	0.160	0.235	0.334	0.449
			Static Pressure	0.004	0.014	0.029	0.049	0.075	0.106	0.142
			NC	<10	<10	<10	18	25	31	36
			Throw	1-3-9	5-8-17	8-12-24	11-16-32	13-20-39	16-23-47	18-27-50
		5 ft.	Airflow, cfm	350	600	850	1100	1350	1600	1850
			Total Pressure	0.020	0.047	0.095	0.170	0.239	0.336	0.480
			Static Pressure	0.004	0.011	0.022	0.036	0.055	0.077	0.103
			NC	<10	<10	<10	16	24	30	35
			Throw	1-3-10	4-8-17	8-12-24	10-15-31	13-19-38	15-22-45	17-26-51
3.0" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	175	385	595	805	1015	1225	1435
			Total Pressure	0.010	0.034	0.082	0.160	0.238	0.347	0.477
			Static Pressure	0.004	0.019	0.046	0.084	0.134	0.195	0.268
			NC	<10	<10	<10	<12	18	26	33
			Throw	1-3-7	5-8-15	8-12-23	11-17-32	13-20-38	16-24-42	19-28-46
		4 ft.	Airflow, cfm	320	580	840	1100	1360	1620	1880
			Total Pressure	0.080	0.050	0.100	0.170	0.270	0.330	0.510
			Static Pressure	0.003	0.011	0.023	0.039	0.060	0.085	0.115
			NC	<10	<10	<10	<10	16	24	31
			Throw	1-4-9	4-9-16	8-13-23	10-17-30	13-21-38	15-25-45	17-29-52
		5 ft.	Airflow, cfm	380	645	910	1175	1440	1705	1970
			Total Pressure	0.020	0.051	0.101	0.180	0.253	0.355	0.510
			Static Pressure	0.003	0.009	0.017	0.029	0.043	0.061	0.081
			NC	<10	<10	<10	<10	<10	13	26
			Throw	1-4-9	3-8-16	7-11-23	10-16-29	12-18-36	14-21-42	16-27-49

- All pressures are in inches of water.
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm.
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10⁻¹² watts.
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (vertical blow).
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet.