

Plenum Slot Diffuser Fixed Blade • Fire Rated

- Model: MTBD-FR • 1 or 2 Slots
 MTBDI-FR • 1 or 2 Slots • Internal Installation

Technical drawings showing side views and a top view of the diffuser. Dimensions include: 29, 29 Min, W, Fuse Link, 292, 51, S, Y, 13, A, B, L minus 6, and Optional Internal Insulation (MTBD-FR Models).

Available Inlet Sizes	A	B
127 Round	124	-
152 Round	149	-
178 Round	175	-
203 Round	200	-
254 Oval	318	133
305 Oval	359	200

Model	Number of Slots	Slot Width S	W	Y
TBD-FR	1	19	70	44
TBD-FR	2	19	114	89
TBD-FR	1	25	76	51
TBD-FR	2	25	125	100
TBD-FR	1	38	89	64
*TBD-FR	2	38	159	133

Available Lengths L	Available Inlet Sizes
610	127, 152, 178, 203, 254
762	127, 152, 178, 203, 254
1219	127, 152, 178, 203, 254

* Note: The 2-slot, 38 slot width diffusers are not UL classified.

Other Accessories (Optional) Check if provided

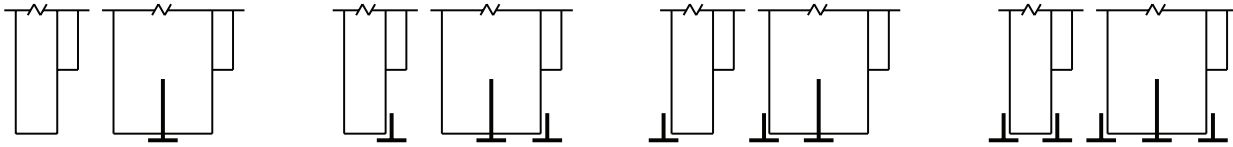
- Fusible Link 165° F (212° F is standard)

Accessories (Optional)

Check if provided

Internal Insulation (MTBDI-FR)

Optional Factory-Furnished T-Bars



⁰
No Outside T-Bars

¹
One Outside T-Bar,
Inlet Side

^{1L}
One Outside T-Bar,
Side Opposite Inlet

²
Two Outside T-Bars,
One Each Side

Note: Factory supplied outside T-bars are 25mm wide. Center T-bars on 2-slot units are furnished by TITUS.

Standard Finish:

#84 Black on pattern controllers and exposed surfaces

#26 White on center T-bars and optional side T-Bars

General Description

Model MTBD-FR is a fire rated plenum slot diffuser. The design meets UL time-vs-temperature test criteria, also NFPA 90A requirements.

With its aerodynamically curved blade design, the MTBD-FR projects a tight blanket of air across the ceiling, from minimum to maximum flow.

This blanketing effect makes the MTBD-FR an excellent choice for variable air volume operation, and has the extra advantage of minimizing smudges on ceiling.

The pattern controller blades are installed at the factory for a fixed air flow direction as shown in the dimension drawing. The air flow direction of each blade can be changed in the field.

When you specify TITUS Model MTBD-FR diffusers, you get these features:

- Damper with fuse link.
- Design qualified by UL for use with hard or flex duct, also for ductless applications.

- For use in 3-hour, or less, fire rated exposed grid, suspended ceilings*.
 - Choice of 19mm, 25mm or 38mm slot width, 1 or 2 parallel slots*.
 - Available in 610mm, 914mm, 1219mm nominal lengths.
 - Optional internal insulation.
 - Material is steel.
 - Must be installed according to installation instructions for UL classification.
- * Note: The 2-slot, 38 slot width diffusers are not UL classified.



Note: This submittal is meant to demonstrate general dimensions of this product. The drawings on this submittal are not meant to detail every aspect of the product with exactness. Drawings are not to scale. TITUS reserves the right to make changes without written notice.

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