



TF THERMA-FUSER™ VAV DIFFUSER

OPTIONS & ACCESSORIES – MINIMUM FLOW

Models: TF

The model TF Therma-Fuser diffuser supplies 35CFM (@ 0.15"wg) through the induction nozzles into the room independent of the damper position. If more air is required at minimum flow then the options on the model TF are fixed 20% minimum flow stops (-FR) or adjustable screw minimum flow stops (-FS).

Minimum Flow Stop

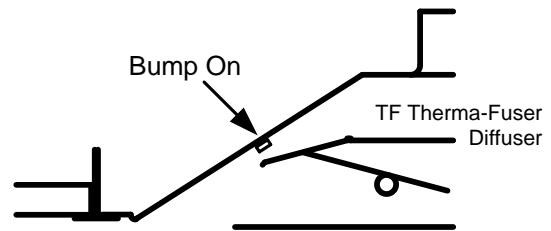
- FR 20% Fixed
- FS Adjustable Screw Percent % Head Up Head Down

Note: Use of minimum flow stops risks overcooling at low loads.

Fixed 20% Minimum Flow Stops

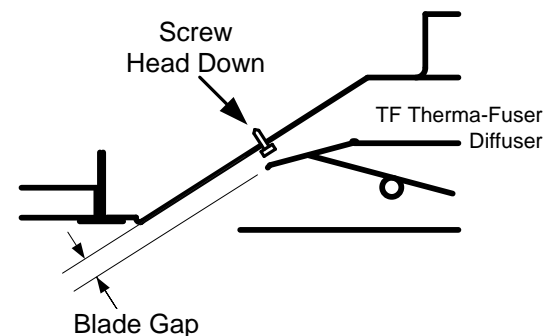
The fixed stops (-FR) consist of four "Bump Ons", a rubber stop with crack and peel adhesive back, located on each side equidistant between the corners where the edge of the blade damper will hit. They are suitable for factory or field installation. **Tip:** While the standard fixed stops are sized to provide 20% minimum flow for each inlet size, they can be used on the other sizes to achieve different minimum flows (see chart below).

Part No.	009-0083	009-0084	009-0085	009-0080
Thickness (in)	0.120	0.140	0.200	0.230
6" Inlet	20%	32%	51%	74%
8" Inlet	15%	20%	32%	48%
10" Inlet	9%	13%	20%	28%
12" Inlet	7%	10%	16%	20%



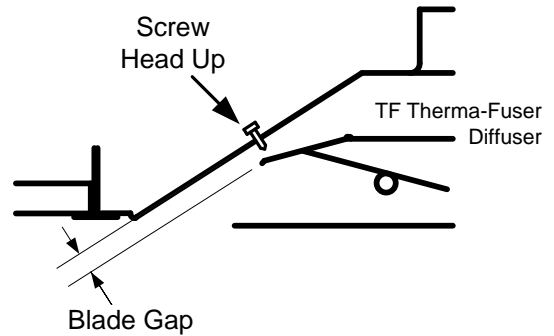
Adjustable Screw Minimum Flow Stops

The adjustable stops (-FS) with the screw head down, can be adjusted from the room, but **cannot** be field installed (factory installation only). With the screw head down, the minimum turndown is 40 cfm.

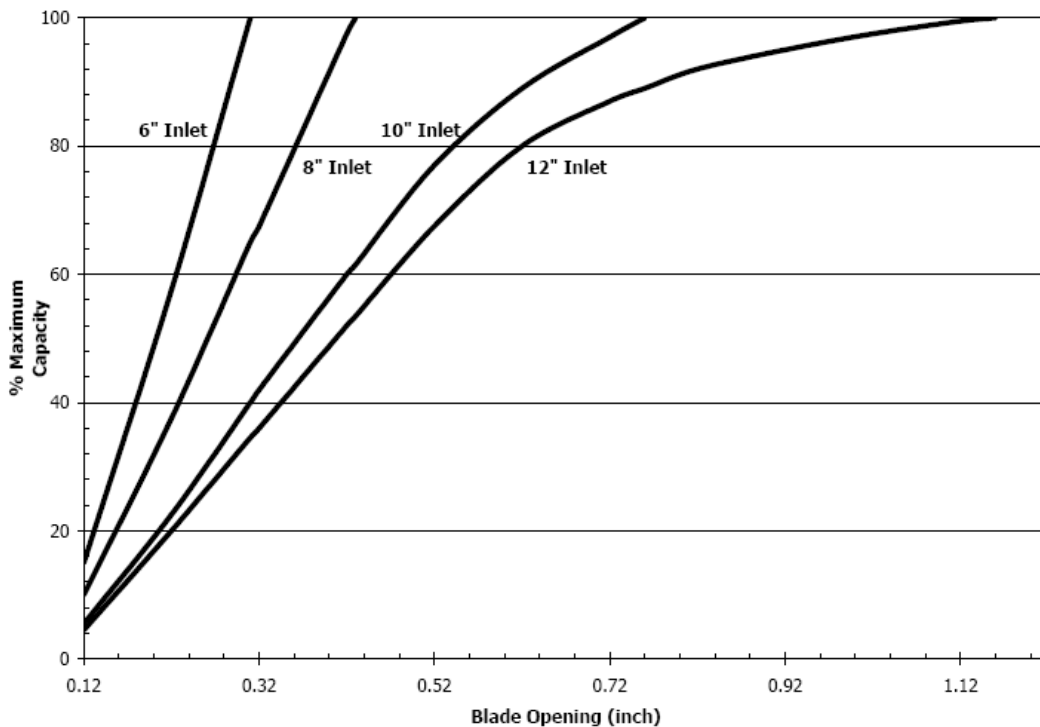
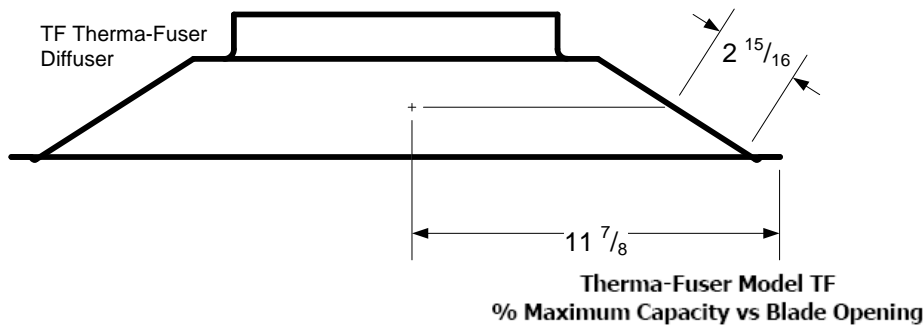


Adjustable Screw Minimum Flow Stops (continued)

The adjustable stops (-FS) are four screws located on each side equidistant between the corners where the edge of the blade damper will hit. The blade gap is adjusted to meet the required minimum flow using the chart below. With the screw head up, they are suitable for factory or field installation.



To install adjustable stops in the field, drill a hole at the midpoint of the housing even with the tip of the blade. For Acutherm screw (hex head slotted #8-32 x 5/8 long) use #29 drill bit (or 9/64" drill bit for slightly looser fit).



Note: Includes flow from four induction nozzles.