

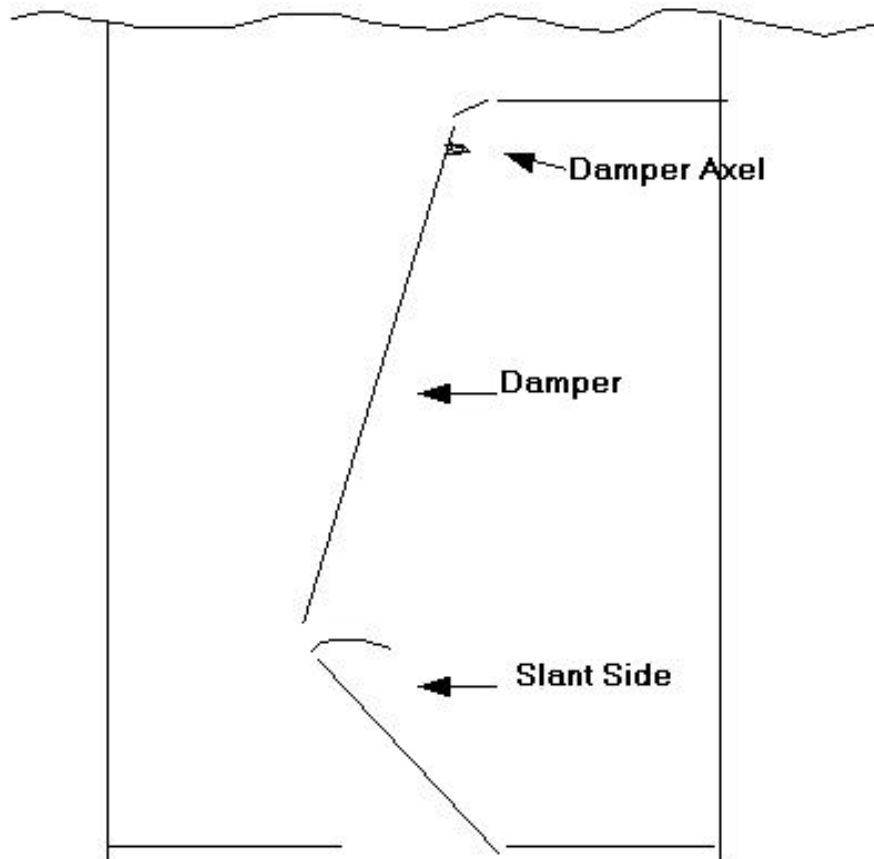
THERMAL PRODUCTS CORPORATION

VFL Balancing Instructions

VAV terminal outlets are balanced only to insure that the specified CFM can be delivered from the outlet by the fan, air distribution systems, and the diffuser. These diffusers are literally self balancing as a function of set point temperature.

To balance the VFL Linear slot diffusers, the damper must be in the full open position. See illustration below. Turning the temperature adjustment **clockwise** will increase air flow by opening the damper.

Turning the temperature adjustment **counter clockwise** will decrease the air flow by closing the damper. The full open damper position of the unit is determined by visually aligning the edge of the damper with the edge of the slanted side of the discharge opening of the diffuser. When you look up into the diffuser, (through the slot) this will become clear.



VFL1 slot, damper in full open position. **Do not force** the temperature adjustment past the stop.

This is determined when the set point adjustment stops turning while applying normal pressure. Forcing the adjustment past this point may cause permanent damage to the adjustment by stripping the adjustment threads