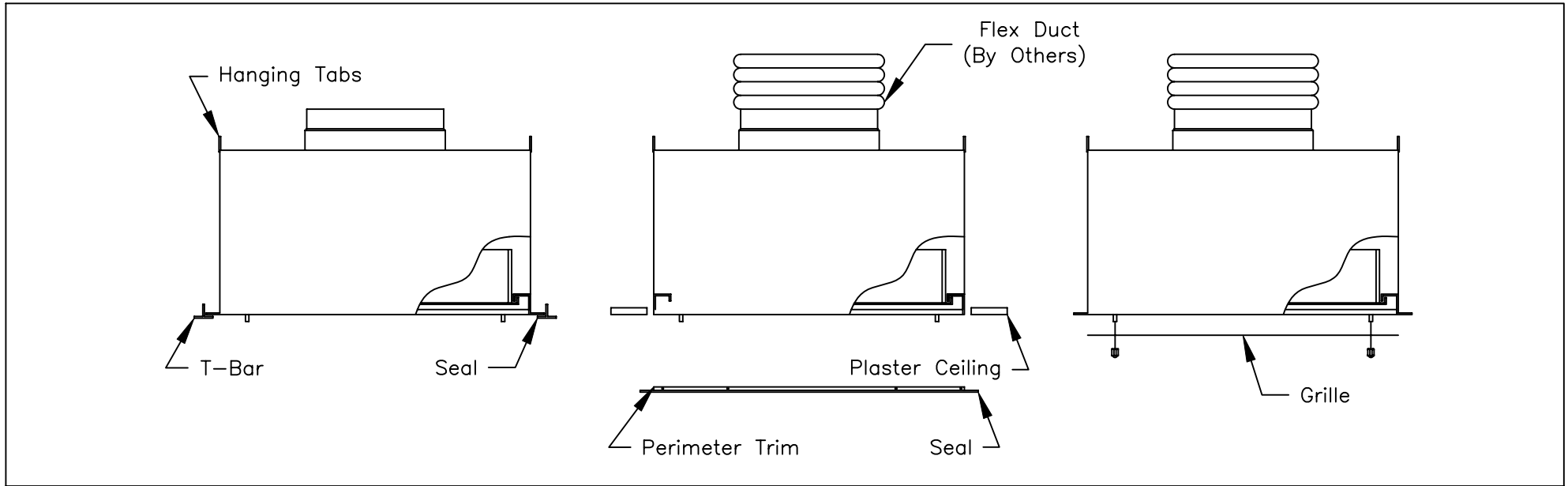


Flanders ESD MODEL 22 HOOD Installation Instructions

Review this sheet thoroughly before handling or installing the unit. Failure to follow these instructions can result in bypass leakage or false aspiration readings when the installed unit is tested. NOTE: Before discarding the packaging, make sure it contains no components (acorn nuts, etc.) that may have come loose during shipping. Last Updated On: 2/4/07



STEP 1—For T-Bar Installation:

Apply a continuous bead of sealant (Dow Corning RTV 732 or GE 102 is recommended) along inside of T-Bar. Lower hood into the opening and center it in place. Apply slight pressure to set the hood into the sealant. Wipe off excess sealant.

STEP 1—For Plaster Ceiling Installation:

For units shipped with detached perimeter trim: Level the hood in the ceiling so that the perimeter trim pieces will be flush against the ceiling when installed. Rivet the perimeter trim to the inside of the hood, using the pilot holes as a guide for drilling rivet holes in the hood. Apply sealant at the top of the trim (inside the hood) and seal all rivet heads. Seal the outer edges of the trim to the ceiling to establish an airtight seal.

STEP 1—For Permanent Trim

The perimeter trim should be field caulked to prevent induction leakage into the hood. This includes the joint between the inside of the housing and the top of the trim piece, all rivet heads, and the joint between the trim piece and the ceiling.

STEP 2 – Wipe off any excess sealant that might show on the inside of the room. Attach flexible duct to the inlet and leave the hood in place for at least 24 hours before filter installation to allow the sealant to harden. It is important that all ceiling penetrations and joints are sealed to eliminate leakage or aspiration.

STEP 3 – To install HEPA filter, remove acorn nuts and the protective grille. Guide the HEPA filter into the hood, handling it only by the frame—do not touch the media. Apply slight upward pressure on the filter to seat the knife edge into the gel sealant. Rotate the filter retainers to support the filter. Hand tighten the hex nuts. (Using a wrench may overtighten the nut and damage the filter or gel sealant). Re-install grille, washers, and acorn nuts.

Damper Adjustments – Hoods are shipped with dampers in the 100% OPEN position. Adjust as follows:

STEP 1– Remove round-head locking screw.

STEP 2– Insert a screwdriver into the slotted shaft and turn in clockwise. Approx. 4–6 turns are required to fully open the damper.

STEP 3– If full flow is not required, adjust the damper by turning the shaft counter-clockwise.

STEP 4– The ESD Damper is automatically lockable by design. Do not overtighten, damage can occur.

NOTES:

1) Silicone grease, caulk, and/or teflon tape may be required to eliminate bypass leakage on plugs.

ESD Model 22's are manufactured by:

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