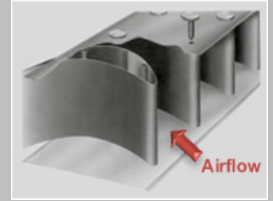




# H-E-P Assembly & Installation Tips



## STEP 1 – H-E-P PREPARATION

- Cut turning vane to specified project requirements.
- Prepare the turning vane for assembly by lining up the pre-punched side rail slots with the continuous tubular channels in the vane.
- Use the Aero-Dyne stabilizing jig for even faster assembly.

## STEP 2 - QUICK ° EASY ° POSITIVE ASSEMBLY

- Hammer the Aero-Dyne fasteners through top of rail down into both continuous channels for a secure fit.
- Consider a palm nailer for faster assembly.
- Duplicate task on opposite end.

## STEP 3 – H-E-P INSTALLATION

- Before placing turning vane assembly inside the duct, use shears to round off edges of rail for a snug fit in the duct elbow.
- Fasten assembly to duct wall per the latest SMACNA recommendations.

## H-E-P INSTALLATION - UNEQUAL ELBOWS

H-E-P turning vanes can be adjusted easily to the proper angle of attack, regardless of the inlet and outlet dimensions of the elbow.

- A narrow strip (approx. 3/4 inch) is sheared from the center of both top and bottom side rail pieces.
- Vanes are attached to them by the usual method of driving fasteners through the slots
- All of the vanes in the assembly then move together as the correct alignment is made for the elbow, maintaining the leading and trailing edges in an exactly parallel relationship.

### IMPORTANT TO NOTE

- The H-E-P rail was specifically designed with a slight lip on each side to allow room for the fastener head.
- Assemble rail to vane with the lip facing out. This assures a flush fit inside the duct.
- Airflow enters the turning vane at smoothly rounded edge and exits off thin trailing edge.
- Use provided "Airflow Arrow" stickers as a directional guide on the vane before installation.

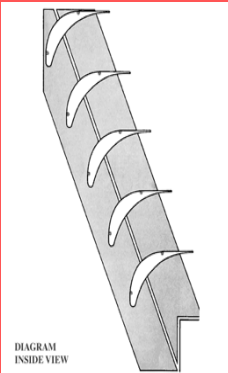
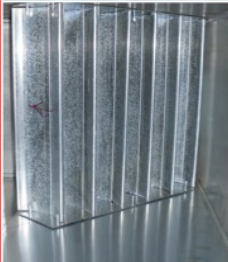


DIAGRAM  
INSIDE VIEW