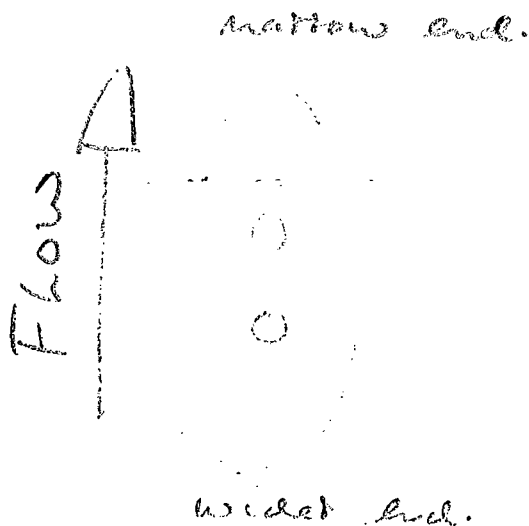




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## **Diamond II Annubar**

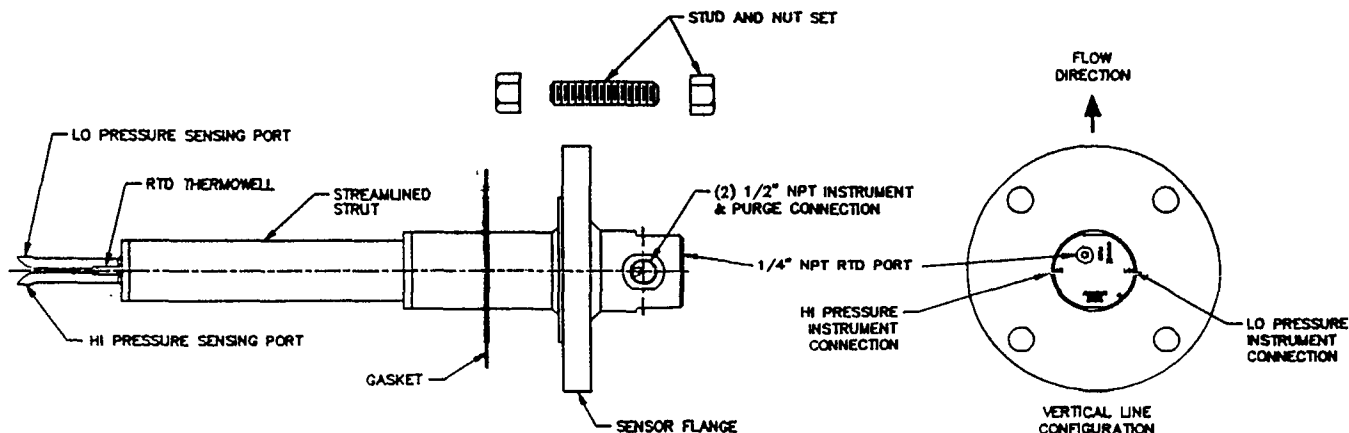
### **Hardware Installation Instructions**

### **Streamline Stack Pitot Tube Model Horizontal & Vertical Stacks**

**Model: PSF-S4**

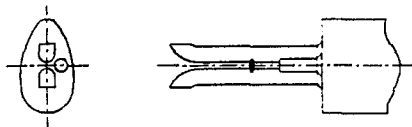
# Hardware Installation Instructions - Streamline Stack Pitot Tube Model: Horizontal & Vertical Stacks

Note: These instructions are for hardware installation only. For proper orientation of the Pitot Tube flow sensor in the piping branch, refer to the Installation, Operating, and Maintenance Manual, DS-1280.  
HL = Horizontal Stack VL = Vertical Stack



## Receiving & Inspection

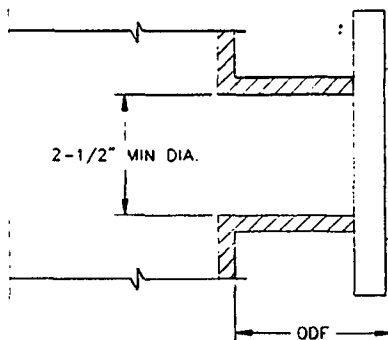
Upon receiving of shipment, check the packing list against materials received and the purchase order. All items are tagged with model number, serial number, and customer tag number. Any damages should be reported to the carrier. Make sure the Pitot Tube ends are not damaged and look like drawing below.



**Warning: Damaged or bent Pitot Tubes tips will result in inaccurate flow readings.**

## Mounting Hole Size

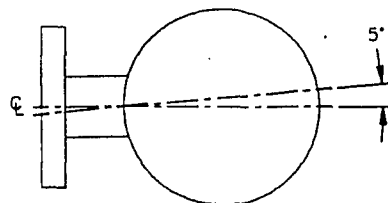
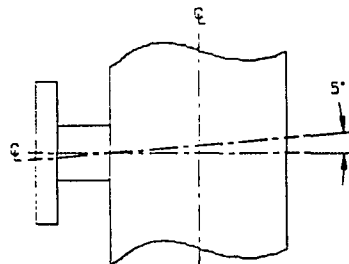
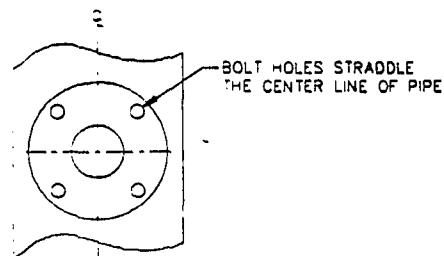
Drill a 2-1/2" minimum diameter hole into stack or duct wall. Torch-cut holes are **not** recommended.



**Note:** "ODF" dimension will determine Pitot sensing tip location in stack or duct. See Pitot tag for dimension used and determine length of pipe needed for mounting flange.

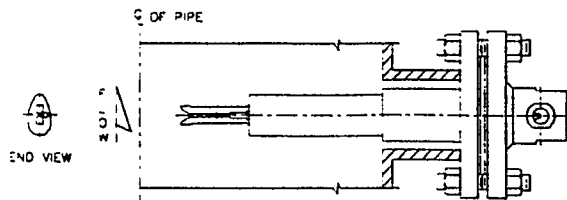
## Flange Mounting

The mounting hardware alignment will determine the Pitot alignment. Check the flange bolt holes as shown below. Tack weld the flange assembly in place. Check alignment and adjust as required. Complete welding.

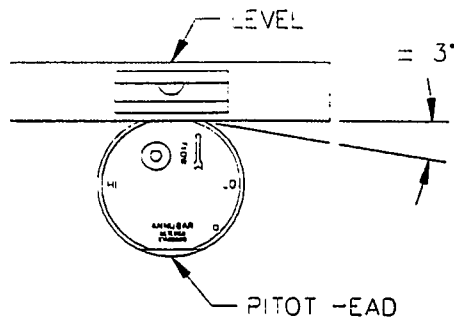


### Vertical Stack Installation

Place the gasket over the end of the Pitot Tube probe. Install the Streamline Pitot Tube tip first into the mounting nozzle making sure the large rounded edge of the strut is facing the flow. Flow arrow on the head should be pointing in the direction of flow. Next install mounting stud and nut set hand tight.

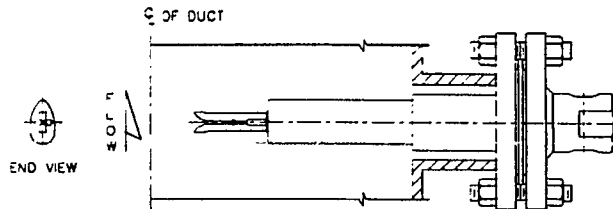


Place a small level on the machined flat of the Pitot Tube head. Rotate the Pitot probe until the flat of the head is level (permissible misalignment of 3° maximum). Tighten the studs & nuts as required making sure that the flat remains level.

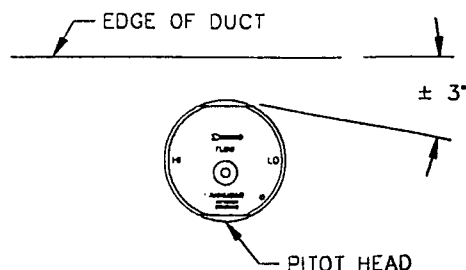



### Horizontal Stack Installation

Place the gasket over the end of the Pitot Tube probe. Install the Streamline Pitot Tube tip first into the mounting nozzle making sure the large rounded edge of the strut is facing the flow. Flow arrow on the head should be pointing in the direction of flow. Next install mounting stud and nut set hand tight.



Place a small level on the machined flat of the Pitot Tube head. Rotate the Pitot probe until the flat of the head is level (permissible misalignment of 3° maximum). Tighten the studs & nuts as required making sure that the flat remains level.



Dieterich Standard A  Industries Company  
PO Box 9000  
Boulder, Colorado 80301 USA  
(303) 530-9600  
FAX: 303/530-7064

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# IMPORTANT

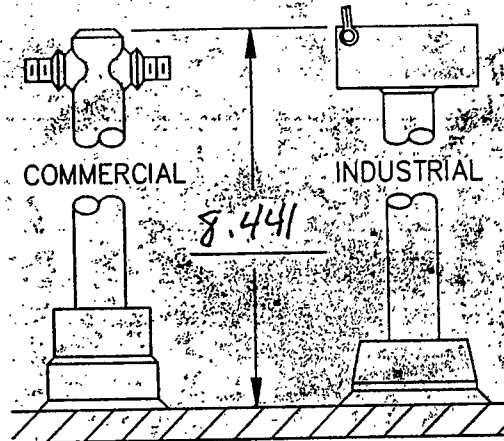
## INSTALLATION INSTRUCTIONS



**Dieterich Standard**

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Flow Measurement Systems



VERIFY ODH (DIMENSION FROM  
O.D. OF PIPE TO TOP OF HEAD)  
WHEN INSTALLED

Do not remove envelope until after installation

DS-8408 (05/95)

