Air Monitor
Precision Airflow Measurement
An ONICON Brand

INSTALLATION PROCEDURE

VOLU-probe/FI-SS Fan Inlet Traverse Probe (Inlets ≥ 20" ID)

INSPECTION & HANDLING.

VOLU-probe/FIs should be carefully inspected for damage prior to installation. Report damage to your Freight Department, or contact the delivery carrier.

These units may be handled while in any position. However, it is important not to drop or mishandle the units such that damage is done to sensing holes, connection fittings, or the swivel mounting brackets on the ends of each manifold.

WARRANTY

Air Monitor Corporation (hereinafter referred to as "Seller") warrants that at the time of shipment, products sold pursuant to this contract will be free from defects in materials and workmanship, and will conform to the specifications furnished or approved in writing by Seller. No warranty is given that delivered products will conform to catalog sheets, data sheets, and the like, which are subject to change without notice.

Seller will repair or replace, at its option, any products listed under this warranty which is returned freight pre-paid to Seller and within the earlier of one (1) year after start-up or fifteen (15) months after shipment, prove upon test and examination by Seller to be defective within the terms of this warranty. The warranty period for any item repaired or replaced shall be for the time remaining on the warranty period for the original components. Purchaser shall notify Seller in writing of such defect within sixty (60) days of discovery of the defect.

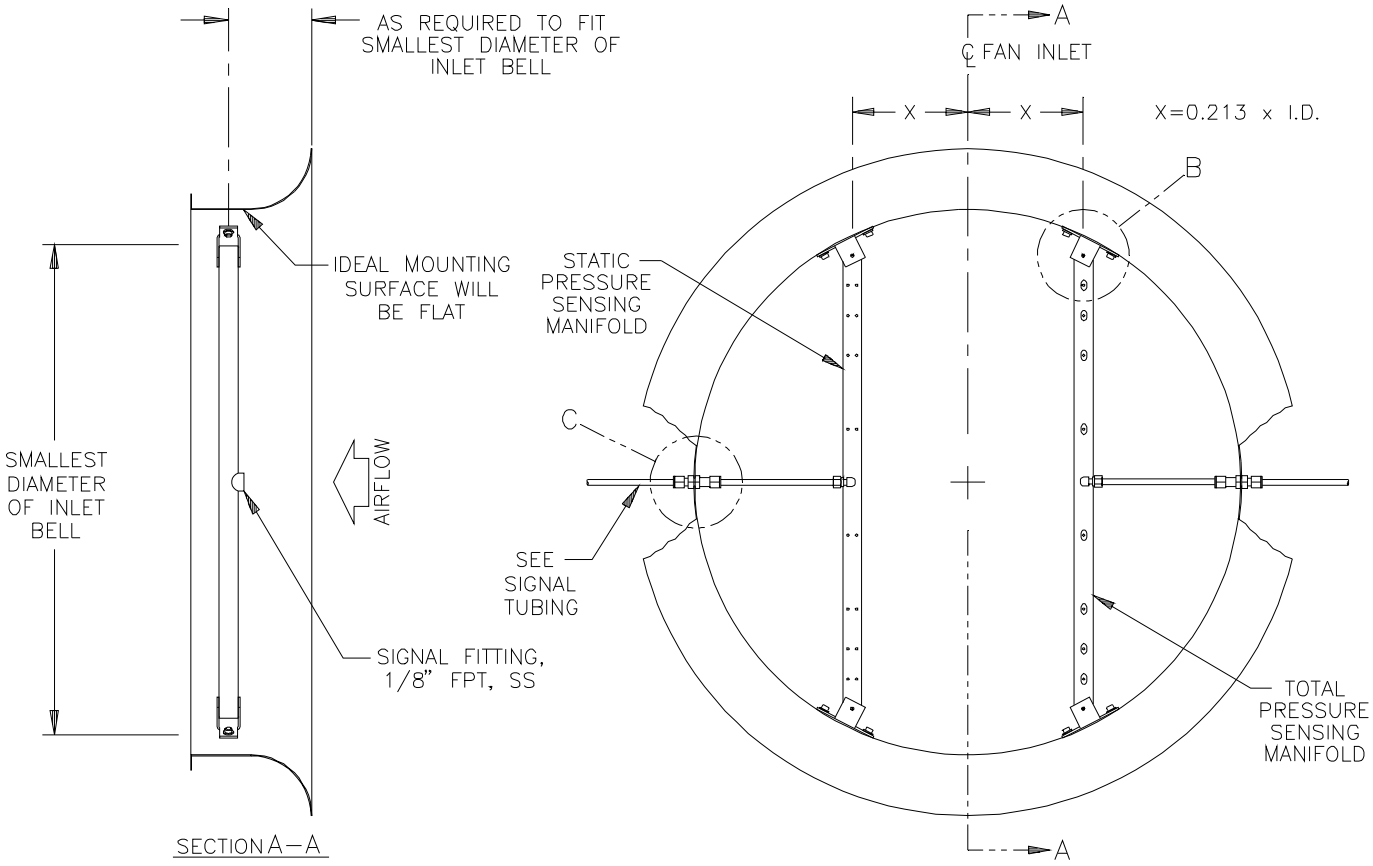
This warranty does not extend to any product sold by Seller which has been the subject of misuse, neglect, accident, damage or malfunction caused by interconnection with equipment manufactured by others, improper installation or storage, or used in violation of instructions furnished by Seller, nor does it extend to any product which has been repaired or altered by persons not expressly approved by Seller. Nor does Seller warrant equipment against normal deterioration due to environment; nor items such as thermocouples, electrodes, and similar items subject to wear or burnout through usage. Adjustments for items or equipment not manufactured by Seller shall be made to the extent of any warranty of the manufacturer or supplier thereof. Seller shall not be liable for any special or consequential damages or for loss of damage directly or indirectly arising from the use of the products. Seller's warranty shall be limited to replacement of defective equipment and shall not include field removal and installation expenses.

The warranty set forth above is in lieu of all other warranties either express or implied and constitutes the full extent of Air Monitor Corporation's liability to the customer, or any other party for breach of warranty. THERE ARE NO EXPRESS WARRANTIES EXCEPT AS SET FORTH HEREIN. THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, WHICH ARE PARTICULARLY DISCLAIMED.

VOLU-probe/FI-SS Fan Inlet Airflow Traverse Probe (Inlets ≥ 20" ID)

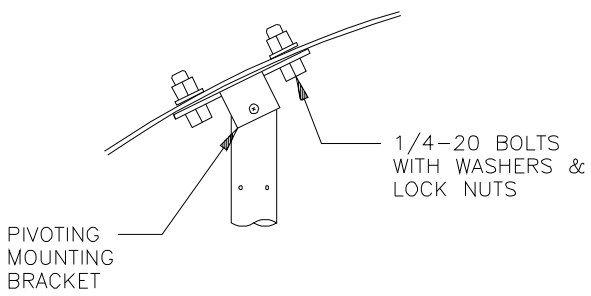
INSTALLATION OF PROBES.

The individual manifolds must be installed within the smallest diameter of the fan inlet bell with sensors facing airflow.

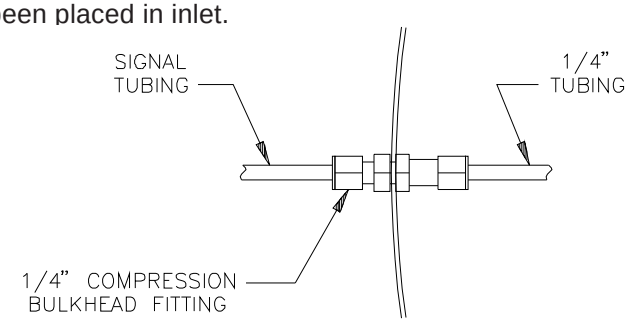


Note: When placing an order for a VOLU-probe/FI, be sure to state the minimum fan inlet diameter, not the fan model number nor the probe length. (The probe length will be approximately 0.905 the minimum inlet diameter for standard configurations.

Note that the sensing manifolds are installed at a distance apart which is 0.213 times the I.D. of the inlet bell, and must be secured parallel to each other in the same plane. Each manifold is furnished with two pivoting mounting brackets with clearance holes for 1/4" fasteners (see Detail B). It is recommended that the mounting brackets be secured to the inlets using 1/4-20 screws, washers, lock nuts, not sheetmetal screws. Tighten screws on pivoting mounting brackets once probes have been placed in inlet.



DETAIL B

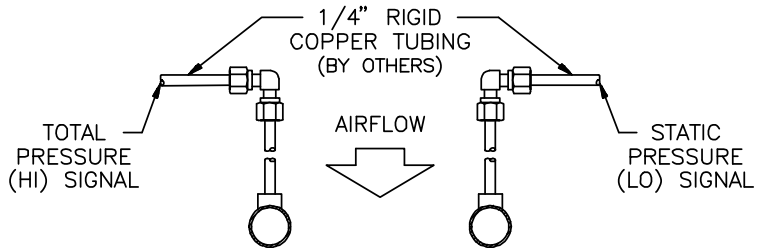


DETAIL C

INTERCONNECTING TUBING.

The individual manifolds are furnished with 1/8" FPT signal ports to accommodate 1/4" tubing within the inlet bell. The tubing must be bent around any interferences between manifolds such as a shaft.

CAUTION: Rigid tubing is required to withstand the turbulent forces of fan induced airflow.



SIGNAL CONNECTION DETAIL

SIGNAL TUBING.

Interconnecting tubing is to be terminated inside the inlet bell using a 1/4" compression bulkhead fitting, then continued outside the bell as signal tubing to the transmitter (see Detail C).

Signal tubing for total and static pressure takeoff connections may be 1/4” O.D. if the distance from the measuring device to the transmitter is 200 feet or less.

***CUSTOMER SERVICE*.** Air Monitor Corporation provides in-house technical support for all our products:

Monday through Friday, 7 am to 5 pm (pst)
Phone: 707-544-2706 or 1-800-AIRFLOW
Fax: 707-526-2825

If after contacting the Customer Service Department it is determined that equipment will require return to Air Monitor Corporation for further repair, a Return Authorization number will be issued. A Confirmation of Return Authorization with shipping instructions will be sent via facsimile or e-mail. Equipment to be returned to Air Monitor should be returned in its original shipping container if possible. If this is not possible, ensure equipment is packaged sufficiently to protect it during shipment.

***Caution: All damage occurring during transit is the Customer's responsibility*.**

List the Return Authorization (R/A) number on the packing list and clearly mark this number on the outside of each shipping container. Costs associated with the return of equipment to Air Monitor Corporation are the customer's responsibility regardless whether the repair/return is under warranty.

Once the Customer Service Department determines that the equipment repair is under warranty, the item will be repaired and returned to the customer at no charge. If the equipment is not under warranty, customer will need to approve a repair quote which will be invoiced along with return shipping charges