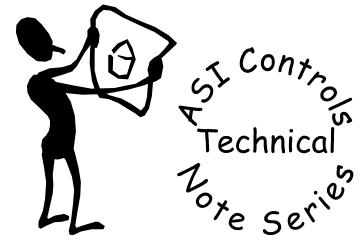




VAV Airflow Tubing

Affects: ASIC/1-8055, ASIC/1-8755

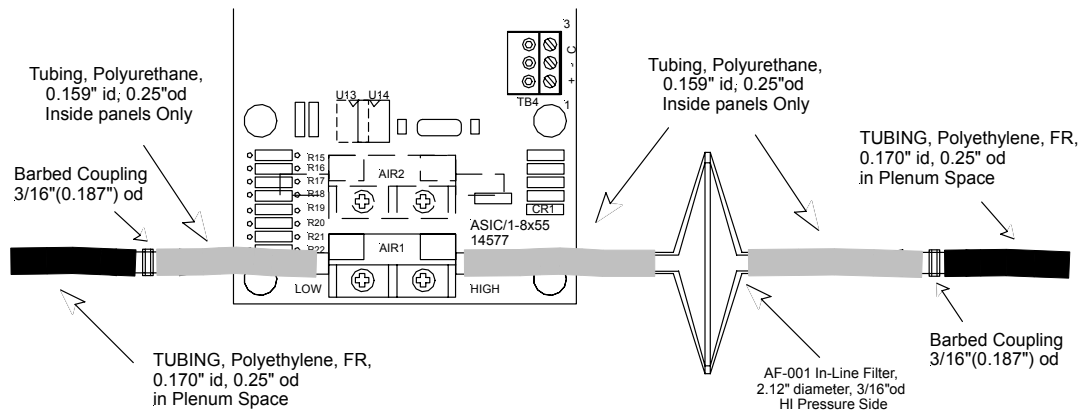
Date: 2004-09-01



Note No. TE-024

Airflow Filter

The use of an airflow filter, AF-001, on the inlet side of the Airflow sensor is required on the ASIC/1-8055, and ASIC/1-8755 controllers. It must be installed on the high pressure (upstream) side of the airflow sensor.



Installing Tubing

The tubulations on the airflow transducer and on the filter are not barbed. The AF-001 airflow filter and airflow sensor must be connected with 0.25\"

A 3/16\"(0.187\") barbed coupling must be used to transition from the 0.25\"OD polyurethane tubing to the 0.25\" FR Polyethylene plenum rated tubing used outside the enclosure. ASI has available an Airflow Tubing Kit, AFK-10, with 20 barbed fittings and 10 feet of polyurethane tubing sufficient to properly connect 10 airflow sensors.

Care must be taken in installing the tubing to the airflow sensor. The air flow sensors attached to the ASIC/1 board have been found to be susceptible to internal breakage when the tubing is applied incorrectly.

The CORRECT method for applying the tubing is to use an up and down motion that is perpendicular to the plane of the ASIC/1 board. This motion does not create a torque on the body of the transducer.

The INCORRECT method is to use a motion that is horizontal to the plane of the ASIC/1 board. This creates a torque on the transducer body and can result in a broken ceramic substrate. The same rules apply to the removal of tubing from a transducer.

How to Order:	Order Number
Airflow Filter	AF-001
Airflow Tubing Kit	ATK-10

If you have any further questions please contact: ASI Controls Technical Support, support@asiccontrols.com, or call 925-866-8808