

TECHNICAL BULLETIN ACCESSORY INFORMATION



2100 Fernbrook Lane
Plymouth, MN 55447-4722
U.S.A.

Phone: 763.553.1270
Fax: 763.553.0459
Toll Free: 1.800.328.3352

Alnor Model 315 BSC/350 CEM NuAire Manual Supplement

General

The Alnor Model 315 BSC Low Airflow Monitor and 350 CEM Hi/Low Airflow Monitor can be used on several NuAire product models to monitor the exhaust airflow or exhaust HEPA airstream as shown below. If used to monitor the exhaust airflow, use the NSF/ANSI 49, Annex F, Section F.7.3.2.2 to verify alarm compliance.

F.7.3.2.2 Exhaust Alarm System – Type A1 or A2 Canopy Connection

The canopy connection on Type A1 or A2 cabinets:

- Shall be tested at time of alarm verification
- Introduce a visible medium source into the canopy air intake(s) while slowly reducing the exhaust volume until there is a loss of capture of the visible medium into the canopy air intake(s). The audible and visual canopy alarms shall respond within 15 seconds, and the cabinet fan(s) will continue to operate.

Note – Direct connected Type A1 or A2 cabinets shall not be considered in compliance with the standard.

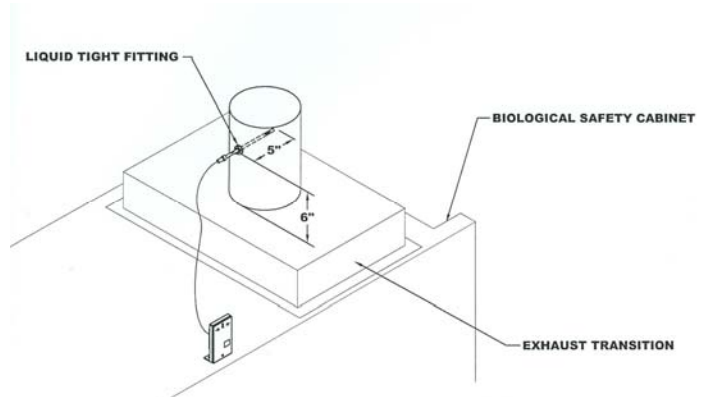
☞ NOTE: Be sure the airflow probe orientation has the probes oval tip opening in line with the airflow direction. The airflow probe should also be installed a minimum of 5 inches into the airstream. Please refer to the Alnor Owners' Manual for additional information.

Method #1 - Exhaust Duct – Preferred Location

Once a location has been selected, drill an 11/16-inch hole for the probe.

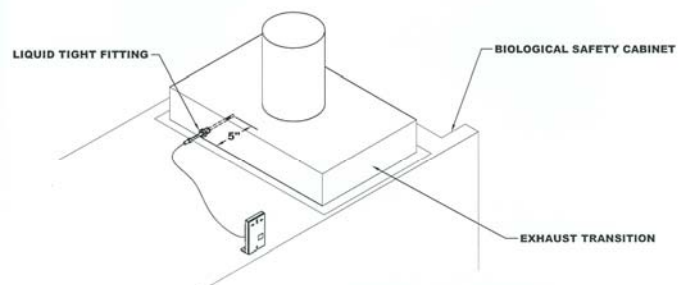
CAUTION:

The HEPA filter, if present, should be protected from drilling metal shavings, as they may fall and penetrate the fragile media. The liquid tight fitting is fastened into the duct with the nut provided. The airflow probe is then slipped through the liquid tight fitting into the duct and tightened in place.



Method #2 - Exhaust Transition – Alternate Location

NuAire exhaust transitions come with a threaded coupling on the left side of the transition. Remove plug in the coupling, if present. Install the liquid tight fitting and attach probe same as Method #3.



Method #3 - Exhaust HEPA Airstream

Locate the bracket on any of the transition mounting studs next to the exhaust HEPA filter. The liquid tight fitting is fastened onto the bracket with the nut provided. The airflow probe is then slipped through the liquid tight fitting extending it over the exhaust HEPA filter and tightening in place.

