## Test Section: Prefilter/Upstream

The prefilter/upstream test section shall be designed to perform aerosol test on HEPA filters, and vapor test on carbon adsorbers. Test section shall have injection pipes for injection of aerosol or vapor, and sample pipes to obtain representative sample concentrations upstream, when testing filters/adsorbers. The test section shall be able to perform the applicable acceptance or surveillance test as required per the intent of ASME N510-1995 Reaffirmed. Maximum pressure drop through the test section shall be 0.25" water gage at 1,000 cfm.

The housing shall have a bagging ring flange around each filter access port, that is sealed by a gasketed filter access door. The filter access door gasket shall be silicone and shall be replaceable, if necessary. The bagging ring flange shall have two (2) continuous formed raised ridges to secure the PVC change-out bag. The bagging ring flange is hemmed on the outer edge to prevent the change-out bag from tearing. One (1) PVC change-out bag shall be furnished with each filter access port. Change-out bags shall be 8 mil. thick with a yellow translucent, non-sticking, matte textured finish and have a 1/4" dia. elastic shock cord hemmed into the opening of the bag so when stretched around the bagging ring flange, it is a secure fit. Bag shall include two (2) glove ports built into the bag to assist in filter change-out. One (1) nylon security strap shall be furnished per filter access port to prevent the bag from sliding off the bagging flange during the change-out process. All change-out operations shall be within the bag so there is a barrier between the worker and the filter at all times.

## Test Section: Combination

The combination test section shall be designed to perform aerosol test on HEPA filters, and vapor test on carbon adsorbers. Test section shall have injection pipes for injection of aerosol or vapor, and sample pipes to obtain representative sample concentrations upstream and downstream, when testing filters/adsorbers. The test section shall be able to perform the applicable acceptance or surveillance test as required per the intent of ASME N510-1995 Reaffirmed. Maximum pressure drop through the test section shall be 0.25" water gage at 1,000 cfm.

## Test Section: Downstream

The downstream test section shall be designed to perform aerosol test on HEPA filters, and vapor test on carbon adsorbers. Test section shall have sample pipes to obtain representative concentrations downstream, when testing filters/adsorbers. The test section shall be able to perform the applicable acceptance or surveillance tests as required per the intent of ASME N510-1995 Reaffirmed. Maxiumum pressure drop through the test section shall be 0.25" water gage at 1,000 cfm.

| REV. | DRAWN BY DATE | DESCRIPTION: | APPR. BY DATE |
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UNLESS OTHERWISE SPECIFIED
- ALL DIMENSIONS ARE IN INCHES
- TOLERANCES ARE: FRACTION: ±1/8" DECIMAL: ±.125" ANGULAR: ±1°

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DIMSCALE: TEXT HEIGHT: