

# Specifications For Isokinetic Scan Housing

The in-place isokinetic scan section shall contain one (1) probe per filter. Design shall maintain approximately one (1) inch probe to filter media distance and allow for overlapping passes. The probe nozzle assembly shall be attached to an interior connection by flexible tubing. The interior connection shall penetrate the pressure boundary via pipe which shall join a 1/4" ball valve with plug. This ball valve functions as the exterior connection for the test instrument.

Design airflow rate for filter scanning is 1000 CFM, however a range of 500 to 2000 CFM will provide satisfactory readings.

The scan section shall have a bagging ring flange around the access port, that is sealed by a gasketed access door. The access door gasket shall be neoprene and shall be manually replaceable. The bagging ring flange shall have two (2) continuous formed raised ridges to secure the PVC scan bag. The bagging ring flange is hemmed on the outer edge to prevent the bag from tearing.

One (1) PVC change-out bag shall be furnished with each scan access port. Scan bags shall be 8 mil. thick with a clear, non-sticking 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) security strap shall be furnished per filter access port, to prevent the bag from sliding off the bagging ring flange during the scan process. All scanning operations shall be performed from within the bag.

Probe assembly shall be capable of being removed and replaced as a one-piece assembly.

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