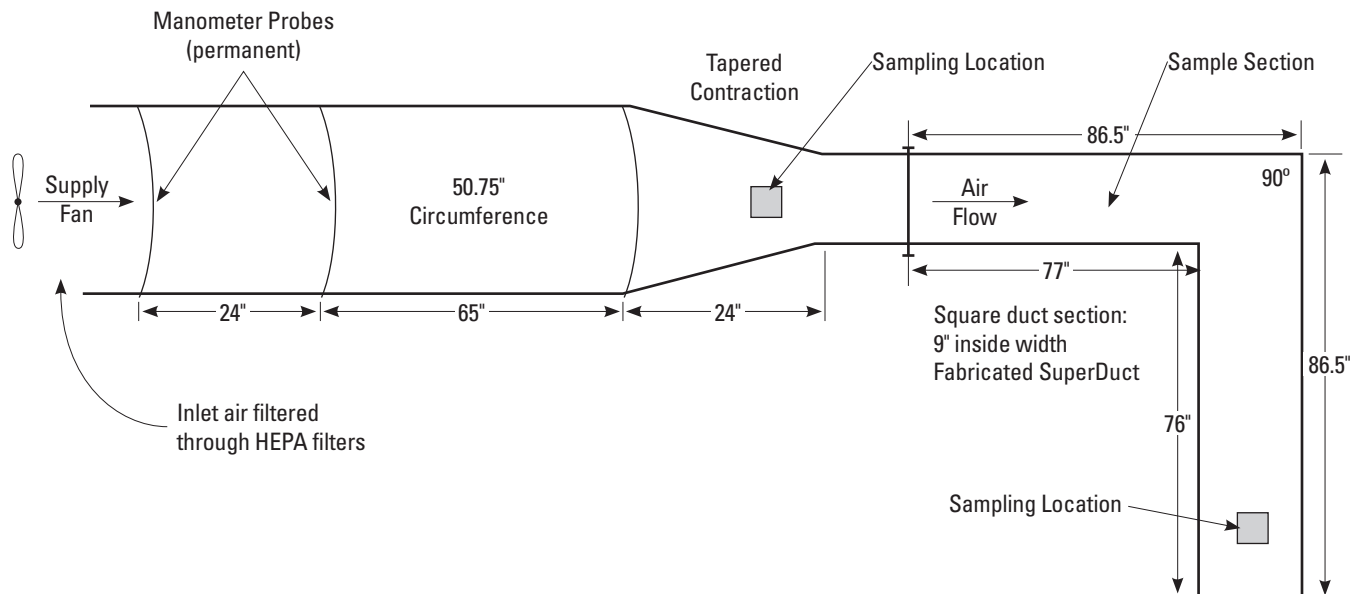


**Isokinetic Sampling Method**

Johns Manville SuperDuct™ has a maximum rated air velocity of 6,000 fpm when tested in accordance with UL-181, Section 17. To pass this, materials used in fabrication of air ducts “shall not break away, flake off or show evidence of delamination or continued erosion when air is passed through typical sections at a velocity of two and one-half times the manufacturer’s rated velocity.” This UL procedure allows erosion or shedding as long as it shows evidence of decreasing over the four-hour test period.

The potential for any shedding of glass fibers from the surface of SuperDuct was evaluated at the maximum recommended velocity of 6,000 fpm. Testing was conducted using SuperDuct air duct fabricated into an L shape as described in Sections 17.2–17.3 of the UL-181 procedure. Isokinetic sampling (i.e., sampling the air stream at the same air velocity as the test velocity) conducted near the outlet of the duct and examined by Phase Contrast Microscopy following NIOSH Method #7400 demonstrated no detectable glass fibers in the seven-hour test. The sampling detection limit for this test is 0.01 fiber/cc of air.

**Isokinetic Test Configuration**



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AHS-446 12/10 (Replaces 3/01)

**All Johns Manville products are sold subject to Johns Manville’s standard Terms and Conditions, including Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions, Limited Warranty and Limitation of Remedy and information on other Johns Manville thermal insulation and systems, call (800) 654-3103.**