

# DUCT LEAKAGE AFFIDAVIT

Development Services Department  
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## DUCT LEAKAGE AFFIDAVIT (Single Family Residences ONLY)

Permit #: \_\_\_\_\_

House Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

Condition Floor Area (ft<sup>2</sup>): \_\_\_\_\_ Source (check one)  Plans  Estimated  Measured

Duct Tightness testing is not required for this residence per exceptions listed at the end of this documents.

Air Handler in conditioned space?  Yes  No Air Handler present during test?  Yes  No

Check Test Method  Leakage to Outside  Total Leakage

**Maximum duct leakage:**

Post Construction, total duct leakage: (floor area X .08) = \_\_\_\_\_ CFM@ 25 Pa

Post Construction, leakage to outdoors: (floor area X .06) = \_\_\_\_\_ CFM@ 25 Pa

Rough-In total duct leakage with air handler installed: (Floor area X .06) = \_\_\_\_\_ CFM@ 25 Pa

Rough-In, total duct leakage with air handler not installed: (floor area X .04) = \_\_\_\_\_ CFM@ 25 Pa

Test Result: \_\_\_\_\_ CFM@ 25 Pa

Ring (check one if applicable):  Open  1  2  3

Duct Tester Location: \_\_\_\_\_ Pressure Tap Location: \_\_\_\_\_

I certify that these duct leakage rates are accurate and determined using standard duct testing method protocol.

Company Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Address: \_\_\_\_\_

Email Address: \_\_\_\_\_

Technician Name (print): \_\_\_\_\_

Technician Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Washington State energy Code Reference:**

**503.10.3 Sealing.** All ducts, air handlers, filter boxes, and building cavities used as ducts shall be sealed. Joints and seams shall comply with Section M1601.3 of the IRC or 603.9 of the IMC. Duct tightness testing shall be conducted to verify that the ducts are sealed. A signed affidavit documenting the test results shall be provided to the City of Oak Harbor Building Division by the testing agent. When required by the Building Official the test shall be conducted in the presence of department staff.

Exceptions: 1. Duct tightness test is not required if the air handler and all the ducts are located within the conditioned space

2. Duct testing is not required if the furnace is a non-direct vent type combustion appliance installed in an unconditioned space.

A maximum of six feet of connected ductwork in the unconditioned space is allowed. All additional supply and return ducts shall be within the conditioned space. Ducts outside the conditioned space shall be sealed with mastic type duct sealant and insulated on the exterior with R-8 insulation for above grade ducts and R-5 water resistant insulation when within a slab or earth.