

Draft PDS-01 Sections of BSR/RESNET/ICC 380-2016 Addendum A-201x As Revised by Draft PDS-02

4.3 Procedure to Install the Test Apparatus and Prepare for Airtightness Test

There are two acceptable methods for attaching the Duct Leakage Tester to the duct system. Method 1 is permitted to be used for all systems. Method ~~1~~₂ is permitted only if:

- i) the ~~for~~ duct systems has ~~with~~ three or fewer return grilles, or
- ii) the total duct leakage is less than 50 cfm (25 L/s) at 25 Pa, or
- iii) local codes require licensing in order to remove the blower access panel, that parties conducting the test have not obtained, or
- iv) the air handler blower access is in an attic or crawlspace that has limited or restricted entry or exit¹⁵

- Method 1 Installation. The air handler blower access panel shall be removed and the Duct Leakage Tester attached to the blower compartment access.
- Method ~~1~~₂ Installation. The Duct Leakage Tester shall be attached to the largest return grille in the system. For systems with multiple returns of equal largest size, the return closest to the air handler shall be used. The remaining opening in the return grille and all other return grilles shall be temporarily sealed.
- Method 2 Installation. ~~The air handler blower access panel shall be removed and the Duct Leakage Tester attached to the blower compartment access.~~

Exception 1: ~~Method 1 is permitted to be used where there are more than three returns and local codes require licensing, that parties conducting the test have not obtained, in order to remove the blower access panel. Method 2 is permitted to be used for all systems.~~

Exception 2: ~~If the total duct leakage is less than 50 cfm (25 L/s) at 25 Pa then either method is permitted to be used.~~

¹⁵(Informative Note) For example, ladders, and temporary, movable, spiral, or articulated stairs will usually be considered a limited or restricted means of entry or exit.

Informative Annex A

Space Type	Included In the Following Categories?			
	Conditioned Space Volume	Un-Conditioned Space Volume	Conditioned Floor Area	Infiltration Volume
Space conditioned to 68/78F (excluding attics, basements, crawlspaces, garages, and sunrooms, which are addressed below)	Yes		Yes	Yes
Attic air sealed & insulated at roof deck, and conditioned ¹	Yes			Yes
Attic air sealed & insulated at roof deck, but not conditioned		Yes		Yes
Attic not air sealed & insulated at roof deck		Yes		
Wall cavity, with at least one horizontally-adjacent space conditioned	Yes		Yes	Yes
Wall cavity, with both horizontally-adjacent spaces unconditioned		Yes		
Floor cavity, with volume above & below conditioned	Yes			Yes
Floor cavity, with either volume above or below unconditioned		Yes		Yes
Floor cavity, with both volume above and below unconditioned		Yes		
Unvented crawlspace, conditioned ¹	Yes			Sometimes ₃
Unvented crawlspace, not conditioned		Yes		Sometimes ₃
Vented crawlspace		Yes		
Basement, conditioned ²	Yes		Yes	Sometimes ₃
All other basements		Yes		Sometimes ₃
Garage, even if conditioned		Yes		
Thermally isolated sunroom		Yes		

- 1) *To be considered conditioned, the party conducting evaluations must obtain an ACCA Manual J, S, and either B or D report and verify that both the heating and cooling equipment and distribution system are designed to offset the entire design load of the volume.*
- 2) *To be considered conditioned, the party conducting evaluations must: obtain an ACCA Manual J, S, and either B or D report and verify that both the heating and cooling equipment and distribution system are designed to offset the entire design load of the volume; or verify through visual inspection that both the heating and cooling equipment and distribution system serve the volume and, in the judgement of the party conducting evaluations, are capable of maintaining the heating and cooling temperatures specified by the Thermostat section in Table 4.2.2(1) of ANSI/RESNET 301-2104.*
- 3) *Include attic, basement or crawl space in Infiltration Volume if the door(s) or hatch(es) between that space and Conditioned Space Volume are open during enclosure air leakage testing (Section 3.2.3, 3.2.4, and 3.2.5).*