

**BASE Buildings Test Space HVAC Characteristics:** Outdoor Air - Means of Maintaining Minimum Outdoor Air

Outdoor Air - Means of Maintaining Minimum Outdoor Air	Number of Buildings Reporting <sup>1</sup>
Fixed Damper Positions	88
Intake Airflow Monitoring	2
Supply/Return Fan Tracking	5
Total Number of Buildings Reporting	97

Notes:  
<sup>1</sup>This table describes the number of outdoor air intake control information strategies for 97 mechanically ventilated BASE building test spaces. Three naturally ventilated test spaces have been excluded. Note that some test spaces relied on more than one intake strategy while some test spaces did not specify the outdoor air control information. Therefore, column totals will not equal the total number of spaces.

Variable Descriptions:

**Means of Maintaining Minimum Outdoor Air** describes the methods employed by BASE test space air handling units to control the minimum volume of outdoor air supplied. The following categories apply:

**Fixed Damper Position** method determines the outdoor air intake rate by creating a pressure in the fixed air plenum with the damper position.

**Intake Airflow Monitoring** requires an airflow station and control system to modulate intake dampers based on the measured airflow rate as compared to a setpoint.

**Supply/Return Fan Tracking** method uses the difference between the supply and return fan airflow rates to modulate intake dampers and provide a constant outdoor air intake rate.