Balometer® Capture Hoods can be configured with various sizes of fabric skirts and frame supports to fit different diffuser and grille configurations. The Balometer® Capture Hood “captures” all air exiting from a diffuser or grille and guides it through a sampling manifold which has evenly spaced inlets to average the flow through the manifold.

These instruments are used on both supply and return/exhaust outlets with separate calibrations for each mode performed at the factory. By following the recommendations below, the factory accuracy statements as well as those listed in the 2013 Reference Appendices – The Building Energy Efficiency Standards for Residential and Nonresidential Buildings sections RA 3.3.1.2 and RA 3.7.2.2 per CEC Title 24 - can easily be achieved.

**Taking a Flow Measurement**

1. Select a hood size to attach to the Balometer® Capture Hood that most closely matches the size of the outlet under test.
2. Turn the instrument ON.
3. If using the ABT or LoFlo Balometer® Capture Hood, select the proper mode for air flow direction (supply or return/exhaust).
4. Place the hood over the diffuser or grille to be measured and make sure there are no gaps between the hood foam and the surface around the diffuser or grille.
   a. *If the hood is larger than the outlet dimensions, make sure the outlet is centered within the hood when taking measurements.*
5. Allow the Balometer® Capture Hood a few seconds to measure the flow and stabilize before taking data.