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ECO-GREEN  
PRODUCTS

**FLOW SCIENCES, INC.**



ECO-GREEN  
PRODUCTS

*OUR CORE...*

**ENGINEERING SAFETY FOR THE CONTAINMENT OF YOUR APPLICATION**



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PRODUCTS**

[www.flowsciences.com/green](http://www.flowsciences.com/green)

**EA Credit 1: Optimize Energy Performance**

Flow Sciences enclosures achieve optimal containment with lower face velocities (between 75 – 80 fpm) than traditional fumehoods (100 fpm), leading to lower exhaust air requirements and laboratory energy savings. Because of their lower face velocities and task-specific design, Flow Sciences enclosures can require up to 80% less CFM than conventional 6' fume hoods for the same amount of benchspace. FSI Top Mount units with integrated fan-filter housings recirculate clean air back into the laboratory, which reduces the total CFM requirements on the HVAC system.

**MR Credit 4: Recycled Content**

Many of Flow Sciences' materials of construction are made from recycled content, including:

- Phenolic resin bases are made with 22% pre-consumer/post-industrial recycled materials.
- Acrylic sidewalls and plenums are made with an average of 20% (and up to 75%) pre-consumer reclaimed acrylic

**EQ Credit 4.4: Low-Emitting Materials Composite Wood and Agrifiber Products**

Flow Sciences' phenolic resin bases contain no added urea-formaldehyde resins and are third-party (Greenguard) certified as a low-emitting material. Our acrylic parts also do not contain any chemicals such as formaldehyde that can result in the release of harmful vapors or gases.

**EQ Credit 5: Indoor Chemical and Pollutant Source Control**

Flow Sciences enclosures contribute to improving the indoor air quality of laboratory spaces by exhausting areas where hazardous gases or powders are used and providing a negative-pressure area with respect to the surrounding laboratory.

**ID Credit 1: Innovation in Design**

All Flow Sciences enclosures are performance-tested using the ASHRAE-110 Method of Testing Performance of Laboratory Fumehoods guideline. The ASHRAE-110 testing methods include flow visualization, face velocity measurements, and tracer gas test procedures, which represents an improvement over typical commissioning methods.



Flow Sciences is committed to manufacturing environmentally friendly products that follow guidelines established by the US Green Building Council. Having a Standard or Custom Flow Sciences Enclosure in your laboratory can contribute to LEED® certification points.



**FS2010  
Vented Balance Safety Enclosure  
(VBSE )**



**FS10200  
Top Mount, Bag-Out  
Safety Containment System**



**FS10550  
Bulk Powder  
Chemical Transfer Station**



**Pilot Plant  
Capsulation Suite  
with Bag-In/Bag-Out HEPA**

For nearly two decades, Flow Sciences, Inc. (FSI) has been engineering custom containment solutions for the pharmaceutical, nanotechnology, biotechnology, and chemical industries. FSI's team of engineering professionals can design around functional, operational, logistical, environmental, and safety demands to provide energy efficient enclosures.

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