

4' and 6' Shielded Flow Hoods



Product Information:

Problem: Original hoods were not shielded and could not be used for their intended applications.

Solution: GRPS will retrofit tables and hoods with proper shielding for their intended applications. All of the hoods in this view had new tables with 2" lead shielding on sides, back and the bottom. Each hood was also retrofitted with a 2" lead sliding body shield and an 8" x 8" x 4" adjustable lead glass viewing window. The pictures above are GRPS custom built Shielded 4 and 6 Foot Biosafety Cabinet with your choice of hood type and class. We can shield from 2' to 8' hoods.

Specifications: MODEL 11-SLFH

Acceptance Criteria:

The user will be shielded in accordance with the shielding of the hood when standing in front of the body shield.

The bottom, back, and two sides can be shielded from 1/8" to 3" lead of lead.

All metallic surfaces will be coated to prevent corrosion. The unit will be designed in such a way as to promote a safe working environment for the user. Technical Specifications and Physical Properties

The hoods are standard A2 Laminar flow hoods or other manufacturer specified by the customer.

The bottom, back and 2 sides of the chamber are shielded by 2" of lead.

The sliding body shield provides two-inch lead shielding and travels laterally across the hood.

The center of the lead glass viewing window is 54" off of the facility floor or to the height you need.

The viewing area of the body shield is 7.5" by 7.5".

The lead glass window specifications are: 8" x 8" x 4" thick.

Density: 5.2 grams per cubic centimeter (1.6" Lead equivalency) Protected by 1/8" plate glass to front and back viewing surfaces.

The weight of the body shield is approximately 300 Lbs.

Optional Customization:

A provision for an ionization chamber can be made. This chamber should be shielded with a positron shield (2-3/8", lead not included).

Lead shielding, and chamber are flush with the floor of the hood, a lower shelf will support this dose calibrator and shielding weight.

Hoods can be customized with sharps containers, waste chutes, sinks, and or additional outlets.