

# Quick Reference: Protection of Vacuum Systems



## HOW THEY WORK

### **Airflow is what protects!**

Maintain proper airflow to avoid risk of exposure and contamination

### **Do Not:**

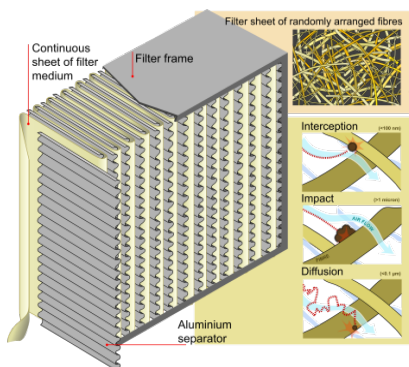
- Block front, side or back grilles
- Use open flames in the cabinet
- Store unnecessary equipment in the cabinet
- Make fast movements in, out, or around the BSC
- Use BSCs near windows, doors, or heavy trafficked areas

### **HEPA Filters**

#### **High Efficiency Particulate Air**

Filters remove particles including bacteria, viruses and other contaminants from air to make inside of BSC a near-sterile environment.

To maintain the near-sterile environment, disinfect the cabinet before and after use.



**All BSC users must take training through KnowledgeLink. Additional resources can be found on the EHRS website or by contacting a biosafety officer.**

## SPILLS

- NEVER turn off the blower.
- Consider ALL spills potentially infectious
- Use appropriate disinfectant
- Allow sufficient contact time
- If spill overflows into basin under the cabinet surface:
  - Pour disinfectant into basin under cabinet surface
  - Allow sufficient contact time.
  - Open drain valve - drain fluid.
  - Dispose of disinfected liquids down sink.
  - Wipe all surfaces of cabinet.
- Bleach will corrode cabinet surfaces. If using bleach to clean up spills, ensure to wipe away all bleach residue to prevent cabinet damage.

## MICRO-CLEAN

The University contracts all certifications, repairs, and other BSC work through Micro-Clean. Contracts are reviewed often to ensure fair pricing, exemplary service, and good communication. For additional information on Micro-Clean or biosafety cabinets, please visit the EHRS website or contact a biosafety officer.



## MAINTENANCE

Biosafety Cabinets must be certified every year to ensure that they are working properly and providing protection to workers. Contact Micro-Clean or EHRS to schedule service.