

## Biological Safety Cabinet Class II, Type A2 Benchtop

### Directed Airflow for a Sterile Work Area

Airflow descends from the top of the cabinet through a supply HEPA filter. As this vertical airstream approaches the work surface, the airflow splits. Approximately 50% is drawn into the cabinet's rear intake grille, and the rest meets ambient room air at the front intake grille.

The air is drawn into a plenum surrounding the work area by the blower located in the top of the cabinet. The blower pushes the air into a positive pressure plenum. The pressurized air is split, with 30% vented through the exhaust HEPA filter and 70% recirculated through the supply HEPA filter.

