



GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

CLASS II TYPE A2 LABCULTURE BIOLOGICAL SAFETY CABINETS



*Shown above on optional base stand

- Sentinel Gold Microprocessor Controller
 - Displays all safety information on one screen
 - Centered and angled down for easy reach & viewing
 - Selectable Quickstart mode for fast operation
- RS 232 Port and Zero Volt Relay Contact
 - RS 232 Port to send operational information to Building Management System
 - Zero Volt Relay Contact to turn ON/OFF exhaust blower and signal the building alarm
- Airflow Sensor
 - Monitors real-time airflow for safety and alerts the user if airflow is insufficient
- Single-Piece Wall and Work Tray
 - Large wall radius for easy cleaning
 - Side-mounted electrical outlets and staggered service fixtures, for easy reach
 - Recessed tray to contain spills and curved grill to prevent blockage
- Energy Efficient DC ECM Motor
 - Powered by latest generation DC ECM motor Made in USA, that is more efficient than legacy ECM and VFD motors (70% Energy savings compared to AC motor)
 - Stable airflow, despite building voltage fluctuations and filter loading
- ULPA Filter
 - Creates ISO Class 3 work zone instead of industry standard ISO Class 5

Part Number	GBS-3F-TIIA2-E	GBS-4F-TIIA2-E	GBS-5F-TIIA2-E	GBS-6F-TIIA2-E
External Dimensions (WxDxH)	44" x 33.5" x 60.6"	56" x 33.5" x 60.6"	68" x 33.5" x 60.6"	80" x 33.5" x 60.6"
Internal Dimensions (WxDxH)	38.2" x 24.5" x 26.4"	50" x 24.5" x 26.4"	61.8" x 24.5" x 26.4"	73.6" x 24.5" x 26.4"
Usable Work Area	4.8 sq.ft. (0.45 m2)	6.5 sq.ft. (0.6 m2)	8.1 sq.ft. (0.75 m2)	9.7 sq.ft. (0.9 m2)
Avg. Inflow Velocity	105 fpm (0.53 m/s)			
Avg. Downflow Airflow Velocity	70 fpm (0.35 m/s)	70 fpm (0.35 m/s)	70 fpm (0.35 m/s)	65 fpm (0.33 m/s)
Inflow Airflow Volume	251 cfm (424 m3/h)	328 cfm (555 m3/h)	406 cfm (686 m3/h)	426 cfm (724 m3/h)
Downflow Airflow Volume	363 cfm (628 m3/h)	476 cfm (822 m3/h)	588 cfm (1016 m3/h)	700 cfm (1210 m3/h)
Exhaust Airflow Volume	251 cfm (424 m3/h)	328 cfm (555 m3/h)	406 cfm (686 m3/h)	426 cfm (724 m3/h)
Required Exhaust with Optional Thimble Exhaust Collar	311 cfm (529 m3/h)	450 cfm (764 m3/h)	657 cfm (1116 m3/h)	685 cfm (1164 m3/h)
Static Pressure for Optional Thimble Exhaust Collar	32 Pa / 0.12 in H2O	49 Pa / 0.19 in H2O	62 Pa / 0.24 in H2O	79 Pa / 0.31 in H2O
ULPA Filter Typical Efficiency	>99.999% for particle size between 0.1 to 0.3 microns			
Sound Emission	62.5 dBA	63 dBA	63.5 dBA	64 dBA
Fluorescent Lamp Intensity	> 114 foot-candles	> 130 foot-candles	> 100 foot-candles	>114 foot-candles
Cabinet Construction	0.06" 16 gauge electrogalvanized steel with Isocide oven-baked epoxy-polyester powder coating and 304 stainless steel			
Electrical	115 VAC, 60Hz			