



GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

CLASS II TYPE B2 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-TIIB2-E	GBS-4F-TIIB2-E	GBS-5F-TIIB2-E	GBS-6F-TIIB2-E
External Dimensions (WxDxH)	44" x 33.5" x 63.3"	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 28.1"	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	60 fpm (0.31 m/s)			
Inflow Airflow Volume	223 cfm (376 m3/h)	292 cfm (492 m3/h)	361 cfm (608 m3/h)	429 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)
CBV Exhaust Airflow Volume	658 cfm (1127 m3/h)	862 cfm (1476 m3/h)	1065 cfm (1824 m3/h)	1269 cfm (2173 m3/h)
Min Exhaust Static Pressure	400 Pa / 1.6 in H2O	375 Pa / 1.5 in H2O	375 Pa / 1.5 in H2O	400 Pa / 1.6 in H2O
CBV Exhaust Static Pressure	575 Pa / 2.3 in H2O	550 Pa / 2.2 in H2O	550 Pa / 2.2 in H2O	575 Pa / 2.3 in H2O
Supply ULPA Filter Typical Efficiency	>99.999% for particle size between 0.1 to 0.3 microns			
Exhaust ULPA Filter Typical Efficiency	>99.99% at 0.3 microns			
Sound Emission	57 dBA	58 dBA	59 dBA	60 dBA
Fluorescent Lamp Intensity	> 116 foot-candles	> 130 foot-candles	> 111 foot-candles	>111 foot-candles
Cabinet Construction	Electro-galvanized steel with white oven-baked epoxy-polyester Isocide antimicrobial powder-coated finish Main Body and 304 stainless steel with No. 4 finish Work Zone			
Electrical	115 VAC, 60Hz			