

ANAEROBIC WORKSTATION PLUS



ACCURACY

Micro Pressure & O₂ Sensing System

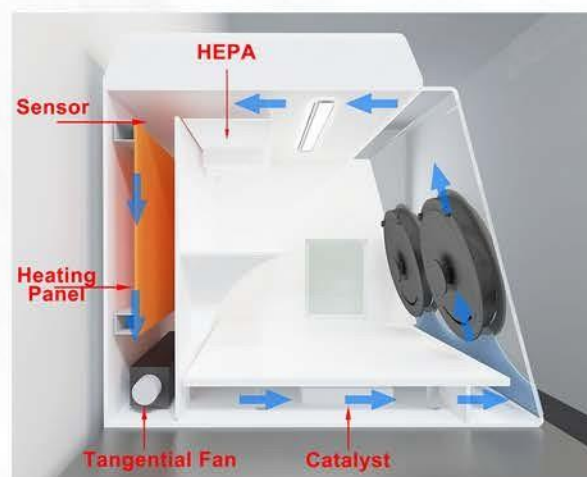
- ☆ Real-time oxygen monitoring ensures precise gas regulation
- ☆ Accurate micro-pressure detection with a precision of 0.1 KPA
- ☆ Continuous monitoring and automatic adjustment of the intake system based on pressure and oxygen levels
- ☆ Low gas consumption post-anaerobic environment

Precise Temp and Humidity Control

- ☆ Temperature Control: 3°C above ambient up to 45°C, in 0.1°C increments (Optional high/low temperature control)
- ☆ Humidity Control: Room humidity to 85%

Advanced Gas Circulation Design

- ☆ Ensures an exceptional level of homogeneity in gas distribution throughout the workstation
- ☆ Consistent airflow contributes to accurate and reliable experimental outcomes



CLEANLINESS

Enhanced Filtration System

- ☆ HEPA 14 filter available for superior particle removal and a pristine environment



Innovative Acrylic Construction

- ☆ Panels molded from a single piece of acrylic to reduce condensation and microbial growth
- ☆ Enhanced acrylic Integrity with Annealing Process for enhanced durability



CONVENIENCE

Quick O₂ Sensor Calibration

- ☆ Rapid calibration of the O₂ sensor ensures precise gas concentration detection



Detachable Front Panel

- ☆ Quick access to the interior by removing the front panel for equipment setup



Seamless Entry System (SES)

- ☆ Efficient vacuum system removes sleeve air completely, ensuring a controlled atmosphere within the workstation and allowing direct access in 12 seconds
- ☆ Operable with lab gloves, ensuring seamless and convenient handling
- ☆ Glove port caps easily "parked" in special holders, optimizing workspace utilization



Before vacuuming



After vacuuming

- ☆ Option to switch to the Glove Entry System (GES) for faster and cost-effective access



Glove Entry System (GES)

Automatic Generation of Parameter Curves

- ☆ Parameters can be automatically plotted on charts, simplifying data analysis and interpretation

Efficient Data Recording

- ☆ Effortlessly record experiment data, including O₂, CO₂, Humidity, Temperature and Pressure
- ☆ Easily access and monitor data logs, aiding in optimizing experimental parameters



SAFETY

Integrated Alarm System

- ☆ Standard voice alarms for O₂, temp, humidity, cylinder low pressure, and gas leak
- ☆ Real-time monitoring with on-screen alarm display



Enhanced User Security

- ☆ Three-tiered user password protection for controlled access and robust data security
- ☆ User-defined User name & Password

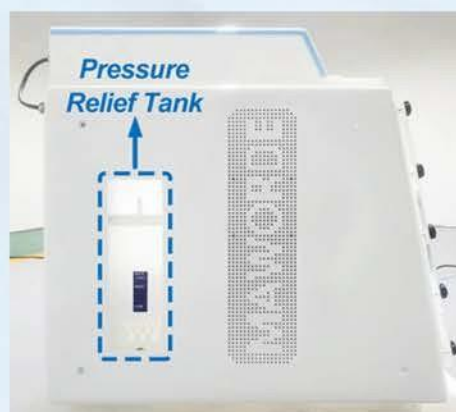


Real-time Pressure Monitoring

- ☆ Continuous pressure monitoring to ensure optimal pressure levels within the workstation

Dual Pressure Relief System

- ☆ Equipped with a classic pressure relief valve and a special pressure relief tank for enhanced safety and precise pressure regulation



Optional H₂ Monitor with Alarm

- ☆ Integrated hydrogen sensor for proactive gas leak detection and immediate response
- ☆ Ensures an optimal and safe experimental environment

Optional CO₂ Control with Alarm

- ☆ 0.1% - 20.0%, in 0.1% increments
- ☆ 0.1% - 60%, in 0.1% increments



PRODUCT DIMENSIONS

Model		YY-M PLUS		YY-L PLUS		YY-XL PLUS		YY-XXL PLUS		YY-TM PLUS		YY-D PLUS		YY-XD PLUS	
Internal Size	W(mm)	500	98.7L	800	158L	770	220L	770	220L	1120	363L	800	316L	770	440L
	D(mm)	470		470		520		520		590		470		520	
	H(mm)	420		420		550		550		550		420		550	
Interlock Internal Size	W(mm)	190	10L	190	10L	280	28.4L	280	39L	280	28.4L	265	19L	265	27L
	D(mm)	245		245		350		400		350		300		350	
	H(mm)	220		220		290		350		290		240		290	
Capacity (Petri Dishes)	Max	350		600		700		700		900		1200		1400	
	Suggest	308		539		651		651		741		1078		1302	
	Interlock	44		44		99		171		99		80		99	

SPECIFICATIONS

Internal Dimension (W/D/H mm)	770/520/550	External Dimension (W/D/H mm)	1200/800/735
Capacity (petri dishes)	700/651	Interlock Capacity (petri dishes)	99x90mm
Gas Supplies	ANO ₂ /N ₂	Real-Time Oxygen & Pressure Detection	Available
Temp & Humidity Control	Available	Gas Sensor Calibration	Available
Seamless Entry System	Available	Detachable Front Panel	Available
Internal Socket & Light	Available	Dual Pressure Relief System	Available
Data Logging System	Available	Real-time Data Graphing	Available
Cylinder Low Pressure System	Available	Three-Tiered User Password	Available
Palladium Catalyst	Available	12 Months Warranty	Available

OPTIONS

HEPA Filtration System	YY025	Cable Port	YY009
Extra Portable O ₂ Meter	YY001	H ₂ Monitor with Alarm	YY020
PPM O ₂ Meter	YY003	CO ₂ Control with Alarm	YY023
Extra Gas Port for Anaerobic Jar	YY028	< 5ppm Oxygen Option	YY002
Vac Line Connection Port	YY008	PPM Level Interlock	YY030
Additional Socket	YY022	Built in PPM O ₂ Sensor	YY027
Sidewall Pipette Holder	YY021	Single Plate Entry System (SPES)	YY006
12 Adjustable Light Levels	YY019	Gas Sample Port	YY024
High Temperature Chamber	GC-HT	Microaerophilic / Hypoxia System	YY017
Warranty Extension	Flexible		

OTHER ANAEROBIC WORKSTATIONS



Anaerobic Workstation with a Larger Workspace
YY-TM PLUS



Anaerobic Workstation with a Larger Workspace
YY-XD PLUS



Integrated Olympus Imaging System
Into Anaerobic Workstation



Custom Large Anaerobic Workstation



Integrate Cell Raman Single Cell Sorter and Colony Picking System Under Anaerobic



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