

EASYlab^{pro} GLOVEBOX



PRODUCT INFO

- **High Purity**
Removes oxygen and moisture to <1 ppm
- **Smart Control**
PLC-based Siemens (Smart Line) controller with touch panel
- **Fast Availability**
Fixed configuration for quick delivery
- **Flexible Pressure Management**
Negative / positive pressure operation with foot switch adjustment
- **Efficient Material Transfer**
Small and large antechambers with sliding trays
- **Optimized Gas Management**
Closed-loop recirculation for stable conditions

GLOVEBOX

Type of construction	Modular box with bolted in flanged side panels
Full size	1920 x 1180 mm (L x D)
Size inside	1250 x 780 mm (L x D)
Inside height	900 mm
Weight	492 kg
Material	Stainless steel (US 304, 1.4301)
Leak rate	< 0.05 Vol%/h
Inside surface	Brushed finish Ra 1.2 µm
Outside surface	Coated, white (RAL 9003)
Window	Laminated safety glass window
Glove ports	Corrosion-resistant aluminum alloy, 220 mm diameter, O-ring sealed for a good antistatic effect reduction
Gloves	Butyl
Light	LED
Feedthroughs	4 DN40KF flanges on the rear wall
Electrical feedthrough	1
Dust filter	HEPA H13 in/out
Shelves	3 adjustable shelves rear side

BENEFITS



Cost-effective entry-level model



Fast delivery

POWER CONSUMPTION



86 kWh*

*Note: The power consumption is based on standard operation for 40 hours (8 hours per day, 5 days a week).

UTILITIES

	Medium (or type)	Pressure	Flow rate	Connection
Working gas	Nitrogen, Argon, Helium or mixtures of those	5 - 6 bar	250 l/min	Ø 10 mm cutting ring-screw connection
Regeneration gas	N ₂ /H ₂ mix. or Ar/H ₂ mix. (H ₂ 2-5 %, optional H ₂ > 5%)	0.3 - 0.4 bar	15-20 l/min	Ø 10 mm cutting ring-screw connection
Regeneration gas exhaust	Flexible hose, 9 x 3 mm			
Vacuum pump exhaust	Depressurized flexible hose, diameter not less than 25 mm (to be supplied by customer)			
Electrical power (FLA)	230 V / 50 - 60 Hz / 6.4 - 8 A			

MAIN ANTECHAMBER

Type	Cylindrical
Size	390 x 600 mm (D x L)
Size of sliding tray	575 x 290 mm (L x W)
Material	Stainless steel
Inside surface	Brushed finish
Outside surface	Coated, white (RAL 9003)
Leak rate	< 10E-4 mbar l/s
Sliding tray	Stainless steel
Doors	Aluminum, anodized, thickness 10 mm
Door lock	Door closing mechanism with spindle handle for one hand operation
Pressure gauge	Analog
Vacuum / Refill process	Manual operation via hand valves



MINI ANTECHAMBER

Type	Cylindrical
Size	150 x 400 mm (D x L)
Size of sliding tray	387 x 120 mm (L x W)
Material	Stainless steel
Leak rate	< 10E-4 mbar l/s
Sliding tray	Stainless steel
Doors	Aluminum, anodized, thickness 12 mm
Door lock	Hinged doors attached to the antechamber body to prevent door from falling out
Pressure gauge	Analog
Vacuum / Refill process	Manual operation via hand valves



GAS PURIFIER

Operation principle	Closed loop recirculation
Size	1300 x 562 mm x 806 mm (W x D x H)
Attainable purity level	Moisture < 1 ppm, Oxygen < 1 ppm
Included analyzers	Moisture: MB-MO-SE1 & Oxygen: MB-OX-SE1
Recommended enclosure volume	Up to 2 m ³
Number of filters per purifier	1 for SP
Filter capacity per purification line	
(O ₂) Oxygen	20 l per filter
(H ₂ O) Moisture	900 g per filter
Regeneration	Automatic regeneration sequence
Control unit	PLC - Siemens (Smart Line)
Display	Color touch panel
Box pressure control	Automatic pressure control with foot switch (± 15mbar)
Vacuum pump	Rotary vane pump including oil mist filter and oil return kit
Blower (50 Hz / 60 Hz)	Variable speed up to 45 m ³ /h
Main and side piping	Stainless steel 1.4301 (US 304)
Main and control valves	Electro-pneumatic



The configuration may vary depending on the region. Please contact us for a detailed quotation.