

MX2000

Glovebox

Flexible and capable to meet your process needs and achieve your productivity goals

“Versatility” plainly describes the MX2000 – a modular glovebox system that can be configured to meet your specific process requirements. It can be built with any combination of ovens and antechambers, gas analyzers, moisture monitors, environmental controls, and additional environmental chambers ...and that’s only the beginning!

Features and Options

- Wide choice of control capabilities ensure your process and budget needs are met
- A range of vacuum pumps – dry, rotary vane, turbo-molecular – to meet your antechamber or oven requirements
- Large window for excellent visibility and maintenance access
- The optional PLC for glovebox components is quickly programmed with easy-to-use software
- Sturdy, rugged construction for long equipment life and stable process platform
- Optional single or dual-column gas purification units deliver ultra-low moisture and oxygen levels
- Modular design enables economical glovebox customization for new systems, as well as easy upgrades as your process needs evolve

Glovebox Overpressure Options

Model GPC-70: Manual Set Rotometer	User sets gas flow rate with rotometer to maintain desired overpressure level
Model GPC-73: Closed loop control	Closed loop control for three selectable overpressure levels
Model GPC-74: Closed loop control with HEPA Filtration	Closed loop control with HEPA filters

Standard Glovebox Sizes

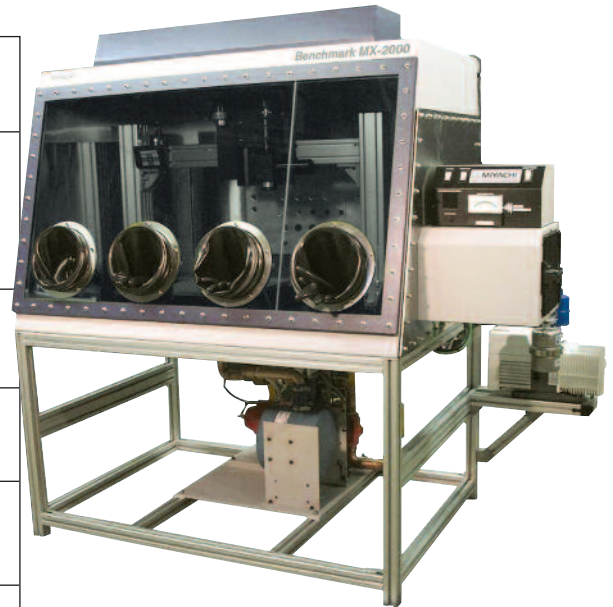
Enclosure Length:	48" (1219 mm)	56" (1423 mm)
Enclosure Depth (Floor):	39" (965 mm)	39" (965 mm)
Enclosure Depth (Top):	29" (736 mm)	29" (736 mm)
Enclosure Height:	36" (914 mm)	36" (914 mm)
Glove Ports:	2	4

Other configurations and custom sizes available



MX2000 – Antechambers and Ovens

Interior Size	Type	Control choices for vacuum, backfill, and temperature	Temperature
Length 355mm (14") Width 195mm (7.625") Height 195mm (7.625")	Antechamber	<ul style="list-style-type: none"> Flushing with manual set rotometer Manual Programmable Logic Control 	Not applicable
Length 465mm (18.5") Width 290mm (11.5") Height 265mm (10.5")	Antechamber	<ul style="list-style-type: none"> Manual Programmable Logic Control 	Not applicable
Length 355mm (14") Width 195mm (7.625") Height 195mm (7.625")	Oven-wall heat	<ul style="list-style-type: none"> Manual Programmable Logic Control 	125° or 200°C
Length 465mm (18.5") Width 290mm (11.5") Height 265mm (10.5")	Oven-wall heat	<ul style="list-style-type: none"> Manual Programmable Logic Control 	200°C
Length 465mm (18.5") Width 290mm (11.5") Height 265mm (10.5") Shelf length 455mm (18")	Oven-heated shelves	<ul style="list-style-type: none"> Manual Programmable Logic Control 	200°C or 300°C



Other antechambers and ovens available

glovebox specifications & options

Features	
Antechambers and Ovens	
Configuration Options	End, front, rear loading
Heating	Wall heating or heated shelves
Temperature	125°C or 200°C, higher available
Vacuum Pumps	Rotary Vane, Dry, or Turbo Pumps
Analysis and Monitoring Capabilities	
Oxygen Detection Range	0-1000 PPM or %
Moisture Detection Range	0-150 PPM or ° C dewpoint
Helium Monitoring	%
Argon Monitoring	%
Utilities	
Electrical	208-240 VAC, single-phase, 50/60 Hz, 30 amps (40 amps with two ovens)
Inputs	
Environmental gas	60psi (415kPa)
Chilled Water Needed for oven flange cooling for 200° oven Not required with optional water re-circulator	

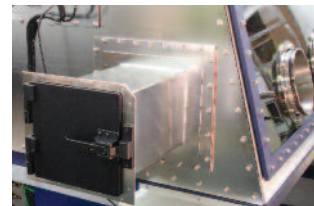
Features	
Gas Purification	
Single Column	30 CFM (51 m ³ /hr)
Dual Column	Moisture and/or oxygen removal
Automatic Dual Column	
Gas Mixers	
Manual Set Mixers	Two and three gas versions
Others	
Soot Removal Systems	30 CFM (51 m ³ /hr) or 100 CFM (170 m ³ /hr)
CDRH Class 1 Laser Eyesafe Window	Wavelength based on application
Light Tower	Indicates glovebox or process status
Tool Interchange	Floor access, front loading
Safety	Light curtain, interlocks



Heated Wall Oven 14" (355mm)



Heated Wall Oven 18.5" (465mm)



Antechamber 14" (355mm)



Heated Shelf Oven 18.5" (465mm)

Specifications are subject to change without notice.



1820 S. Myrtle Ave. • P.O. Box 5033
Monrovia, CA 91017-7133 US • T: (626) 303-5676 • F: (626) 358-8048
info@muc.miyachi.com • www.miyachiunitek.com
ISO 9001 Certified Company • 24/7 Repair Service: 1-866-751-7378



Miyachi Unitek Midwest Sales Office:
50384 Dennis Ct., Wixom, MI 48393
T: 248 313 3078 • F: 248 313 3031
midwestsales@muc.miyachi.com

Miyachi Unitek Mexico Sales Office:
5959 Gateway West, Ste 327, El Paso, TX 79925
T: (915) 881-8765
mxsales@muc.miyachi.com

Miyachi Unitek North Asia Sales Office:
Unit D, 20/F, Infotech Centre, 21 Hung To Road
Kwun Tong, HK • T: +852 2833-6998
F: +852 2833-6672 • asiapacific@muc.miyachi.com

Miyachi Unitek South Asia Sales Office:
No 26, Sin Ming Lane, #04-125,
Midview City, 573971, SG
T: +65 96318407 • southasia@muc.miyachi.com

Miyachi Japan
2-6-6 Motoasakusa Taito, Tokyo, 111-0041, JP
T: +81-3-5246-6700 • F: +81-3-5246-6890

Miyachi China
Room 01, 15th Floor, SML Center, No.610 Xujiahui
Road, Huangpu District, Shanghai 200025, CN
T: +86-21-6448-6000 • F: +86-21-6448-6550

Miyachi Europe
Lindberghstrasse 1 • DE-82178 Puchheim
T: +49 (0) 89 83 94 030 • F: +49 (0) 89 83 94 0310

Miyachi Brazil:
Av. Ceci, 608 – Bloco 16B – Empresarial Tamboré,
06460-120, Barueri, SP, BR
T: +55 (11) 4193-1187

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