

G[iso]

glove box - isolator
under filtered atmosphere
work under depression or positive pressure

G[iso]



MEDICAL ●
PHARMACEUTICALS ●
INDUSTRY ●
ELECTRONICS ●

innovación
tecnológica
para
laboratorio

Rafer



JACOMEX

BASIC CONFIGURATION

glove box		T2 ○○	T3 ○○○	T4 ○○○○
	Overall dimension (L*H*D in mm)	2036*1 973*947	2 336*1 973*947	2 636*1 937*947
	Weight	360 kg	380 kg	400 kg
	Internal working dimension (L*H*D in mm)	1200*900*725	1 500*900*725	1 800*900*725
SHELL	stainless steel X2CrNi18-9 (US 304 L) thickness 3 mm	•	•	•
TIGHTNESS	class 1 to standard ISO 10648-2 (oxygen method) leakage rate < 5.10 ⁻⁴ h ⁻¹	•	•	•
LIGHTING	fluorescent 220 V - with switch	•	•	•
SHELVES	stainless steel	2	2	4
FEEDTHROUGHS	single phase 220 V – 16A	1	1	1
FEEDTHROUGHS	blanked KF 40	2	2	2
GLOVE RINGS	PP Ø 186 mm	2	3	4
SHUTTER	Ø 186 mm	1	1	1
GLOVES	butyl-hypalon - ambidextrous - size 7.5 or 8.5 thickness 0,6 mm - length 750 mm	2	3	4
SUPPORTING FRAME	stainless steel 304 L - height : 950 mm locking casters	•	•	•
FRONT PANEL	polycarbonate - 10° inclination bolted, can be easily dismantled	•	•	•





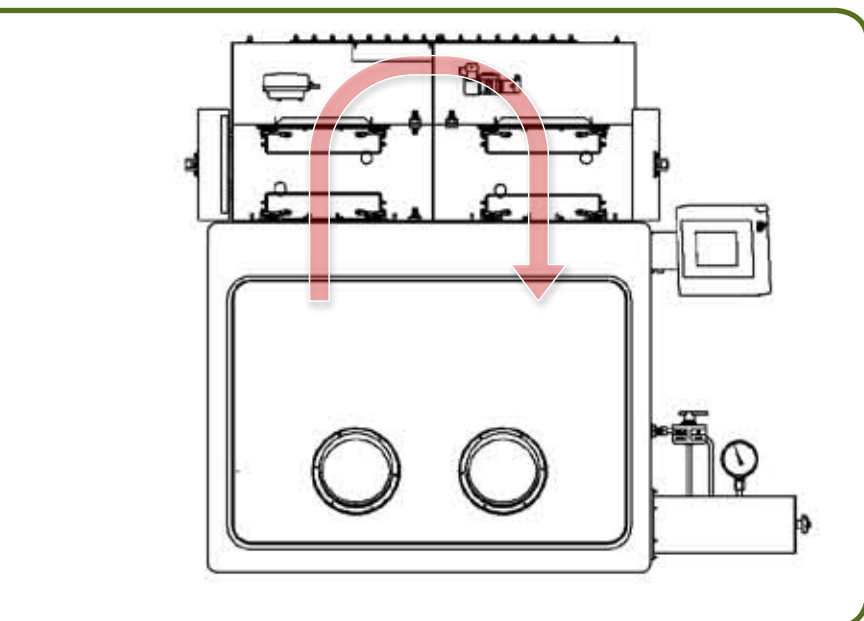
filtering – ventilation box

PROCESS	Circulation of filtered inert gas under closed-loop with variable flow (independent from the pressure control) to reduce or stop ventilation. Chamber under negative or positive pressure of about 200 Pa
FILTERING	BIBO (Bag In, Bag Out) system Changing of filters in the front part Interlocked access doors Safety filter locking / unlocking system Extraction of the filters through heat sealable bags
FILTRATION FLOW RATE	About 100 m ³ h ⁻¹
CLEAN ROOM CLASS	ISO 5 (ISO standard 14644-1)



user interface

INTERFACE	Touch-screen english - french
USER HELP	Integrated in the touch-screen
DISPLAY	Pressure (mbar, mm CE or Pa) Relative humidity (%) [H2O] (°C DP or ppm) [O2] (ppm or %) T°C Depending on chosen options
INSPECTION	Pressure regulation Glove box flushing Clogging level Blower capacity filters changing Vacuum chamber cycle Analyzers, transmitters



pressure regulation

OPERATION	Automatic
WORKING	Under depression or positive pressure, at the operator's choice
INPUT / OUTPUT	Electrovalves, pressure reducer and adjustable flow blowers controlled trough PLC
OPERATING REQUIREMENT	Tension : 220 V - 50 Hz Intensity : 10 A Inert gas (Ar, N ₂) : 3 bar Compressed air : 3 bar



finish	
Double working side	option - FF (2 working)
Rounded corners	option-CV for easy cleanability
Electropolishing	for easier decontamination and cleaning
quality	stainless steel US 316L
front panel	
FIXED	<ul style="list-style-type: none"> • polycarbonate • glass • saphir coated polycarbonate
LIFTING	with manual / automatic control (PMMA)
GLOVE RINGS	<ul style="list-style-type: none"> • PP Ø 220 • stainless steel Ø 186 • POM ovoid
transfer systems	
MAIN CHAMBER	<ul style="list-style-type: none"> • T-shaped vacuum antechamber Ø 400 lenght 350 • vacuum antechamber Ø 400 lenght 600 • vacuum antechamber Ø 250 lenght 500 • L-shaped vacuum antechamber Ø 400 • cylindric ventilated chamber Ø 250 lenght 500 • cylindric ventilated chamber Ø 400 lenght 600
ACCESSORIES	<ul style="list-style-type: none"> • 2 stages vacuum pump 10m³.h⁻¹ • 2 stages vacuum pump 21m³.h⁻¹ • pirani gauge • automatic doors on chamber Ø 400 • option stainless steel doors
MINI-CHAMBER	<ul style="list-style-type: none"> • vacuum antechamber ø150 lenght400 • vacuum tunnel ø150 • T-shaped vacuum antechamber ø150
BAG RINGS	waste removal
BAGS	PE EVA
analyzers and filtration	
ANALYZER	O ₂ or H ₂ O
FILTRATION	<ul style="list-style-type: none"> • HEPA H 14 • activated charcoal filter • option HEPA filter clogging alarm
valves	
SECURITY VALVES	<ul style="list-style-type: none"> • VMS 63 valve • option pressure failure alarm • connected exhaust fan V150/63
OTHER ACCESSORIES	<ul style="list-style-type: none"> • continuous H₂O/O₂ purification • anti-vibration table
feedthroughs	
Specific brochure	



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