Working instruction

mBRAUN

1   General Information

Valid for	MBraun Standard gloveboxes
Review:	Maintenance outline
Responsible	MBraun Service Department

Notes:

Internal solvent trap carbon/filter have maintenance intervals more frequently than what is covered in this document. Carbon should be changed every one to two months and the filter every other carbon change. Failure to maintain solvent trap can result in damage to analyzers, blower and/or purifier materials.

Quarterly Maintenance:	Annual Maintenance:
Inspect gloves and glove O-rings for damage. Common areas for damage to gloves include the finger tips, the area between fingers and at the cuff where the glove attaches to the glove port. Glove O-rings may crack over time and could potentially snap/fail if neglected. Replace as needed.	Replace gloves and glove O-rings. With glove removed inspect gloveport for debris or damage that could rip glove.
Inspect all antechamber O-rings for cracks or other damage. Replace as needed.	Replace antechamber O-rings, coating them with a light application of vacuum grease before installation.
Inspect antechamber doors for damage. The brass door bushing on both style antechamber doors can become dislocated if the door is attempted to be opened under vacuum.	Replace HEPA filter.
Check all pipe clamps/connections for security.	Perform all checks listed in quarterly maintenance that would not be covered by part replacements above.
Perform leak test on system according to instructions in manual.	
Check temperature-indicating sticker on blower to verify blower has not been running at abnormally high temperatures.	
Perform leak test on antechambers.	
Evaluate activated carbon; change if necessary.	

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External LMF-II solvent traps should be changed every 3-6 months depending on use. Internal solvent traps should be changed every 1-2 months, depending on use.	
Evaluate and if needed change vacuum pump oil. Pump oil should be changed every 3-6 months or after every regeneration.	