Clean. Engineering. Expertise.

MB-10-G

INERTGAS PURIFICATION SYSTEM



myMBRAUN App



Download on the App Store

ANDROID APP ON Google Play

- Compact, Powerful, and Reliable
- Optimum performance for attached enclosure volumes up to 2 m^3
- Removal of oxygen and moisture, <1 ppm
- Negative and/or positive pressure operation
- Foot pedal switch for temporary pressure adjustment
- Micro controller with large multi color touch panel 7''
- ECO Mode operation feature available
- Live monitoring of your glovebox data with myMBRAUN Application
- Optional control and safety features available

INERTGAS TECHNOLOGY

MB-10-G

INERTGAS PURIFICATION SYSTEM

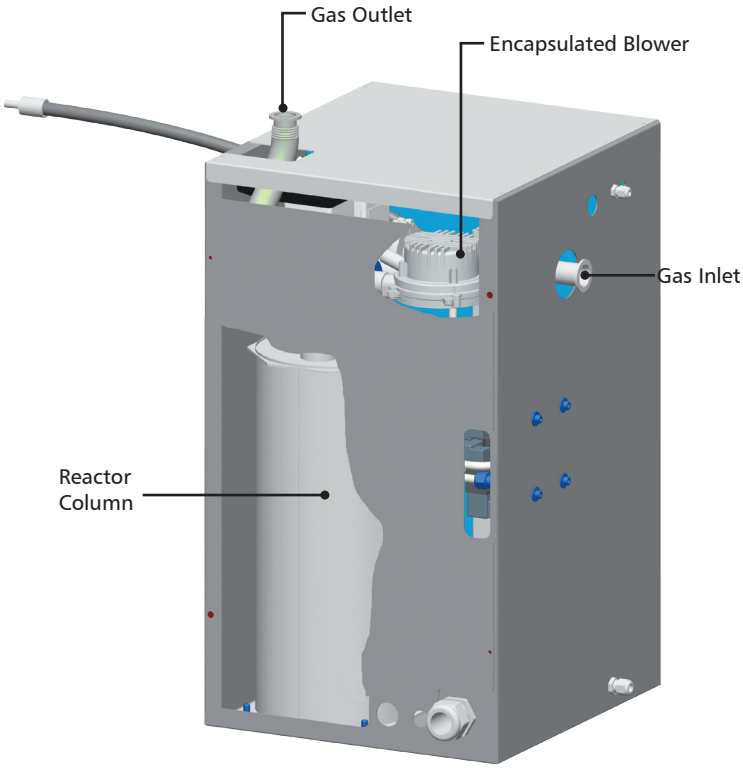
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DESCRIPTION

MBRAUN's MB-10-G gas purifier is a compact, affordable, and powerful solution to achieving and maintaining ultra-low levels of oxygen and moisture when your research requires an inert environment.

MBRAUN offers a wide range of options compatible with the MB-10-G such as box purge units, solvent vapor removal and MBRAUN's own solid state oxygen and moisture analyzers. Built on MBRAUN's high quality standards all subcomponents of the MB-10-G are made of stainless steel and are manufactured from distinguished suppliers. The MB-10-G can also be equipped with an energy saving ECO Mode. This includes an automatic blower speed reduction at night (programmable time), as well as an automatic switch off of the vacuum pump.

In ECO Mode operation the box pressure regulation in the range > 2 mbar is done without the vacuum pump. Together, the MB-10-G gas purifier with MBRAUN's proprietary oxygen and moisture analyzer probes provide accurate and consistent monitoring of your working gas atmosphere with nearly maintenance free operation.



TECHNICAL DATA

Operation principle	Closed loop recirculation
Attainable purity level	Moisture < 1 ppm, Oxygen < 1 ppm
Recommended enclosure volume	Up to 2 m³
Number of purification lines per purifier	1
Number of reactor columns per line	1
Number of reactor columns per purifier	1
Reactor capacity per purification line*	
(O2) Oxygen	20 l
(H2O) Moisture	900 g
Regeneration	Automatic regeneration sequence
Control unit	PLC - M. Braun
Display	Large color touch panel
Box pressure control	Automatic pressure control with foot switch (± 15mbar)
Vacuum pump*	Rotary vane pump with 17 m³/h (10 CFM)
Blower (50 Hz / 60 Hz)*	Variable speed up to 22 m³/h
Main and side piping	Stainless steel 1.4301 (SUS 304)
Main and control valves	Electro-pneumatic
Electrical (FLA) (without options)	230 V/50-60 Hz, 6 A or 115 V/50-60 Hz, 12 A or 100 V/50-60 Hz, 13 A
Cooling water (optional)	-
Regeneration gas	N2/H2 mix. or Ar/H2 mix. (H2 2-10 %)
Working gas	Nitrogen, Argon or Helium
Size	472 x 459 x 705 mm (LxWxH)
Weight	50 kg (without vacuum pump)
Optional feature	Moisture and oxygen analyzer
Optional feature	ECO Mode
Optional feature	myMBRAUN App
Optional feature	Solvent vapor removal
Optional feature	Dry pump upgrade
Optional feature w/ MBRAUN glovebox	Box purge function
Optional feature w/ MBRAUN glovebox	Antechamber automatic (time controlled)
Optional feature w/ MBRAUN glovebox	Freezer

*Technical note: Dependent upon operating conditions.

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