

# MB-200-N-I

MODULE FOR N<sub>2</sub> REMOVAL IN COMBINATION WITH MB-200-G



INERTGAS TECHNOLOGY

- Module in combination with a MB-200-G
- One reactor column for N<sub>2</sub>
- Optimum performance for attached enclosure volumes up to 5 m<sup>3</sup>



The gas purifier module MB-200-N-I removes N<sub>2</sub> from Argon coming from the glovebox through a MB-200-G.

One reactor column purifies N<sub>2</sub> thanks to high temperature Titanium reactor. The temperature control is integrated in the Siemes-PLC from the combined MB-200-G, which manages every function of the gas purifier unit.



## MB-200-N-I TECHNICAL DATA:

Operation principle.....	Closed loop recirculation in combination with a MB-200-G
Attainable purity level .....	< 1 ppm N <sub>2</sub> in Ar
Recommended enclosure volume.....	Up to 5 m <sup>3</sup>
Number of purification lines per purifier.....	1
Number of reactor columns per line.....	1
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Reactor column material.....	High temperature stainless steel
Reactor column loading.....	Titanium
Temperature control.....	Integrated PLC control from combined MB-200-G
Security system.....	Bypass-system using electro-pneumatic valves
Leak rate.....	10E-6 mbar l/s for purifier units and components
Regeneration.....	Not regenerable
Control unit.....	Siemens PLC from combined MB-200-G
Display.....	7" color touch panel from combined MB-200-G
Main and side piping.....	Stainless Steel 1.4301 (SUS 304)
Main and control valves.....	Electro-pneumatic
Electrical (FLA) (without options).....	3L/N/PE, 400V, 50 Hz, 20A
Cooling water.....	2 bar (5 l/min)
Size.....	1040 x 600 x 907 (LxWxH)
Weight.....	173 kg

\*Technical note: Dependent upon operating conditions