

① Labgas type MA hydrogen generators: electrolysis technology

Ensuring reliable and low-cost generation of a continuous volume flow of pure hydrogen, these hydrogen generators make high-pressure steel hydrogen cylinders completely redundant in the lab.

Consuming low levels of electricity, the generators produce hydrogen from deionised water at low pressure, and only when required.

Choose from various series:

Hydrogen generator type MA-N purity 6.0 (99.9999%)

The generators of the MA-N series are ideally suited for supplying fuel gas to all detectors routinely used in gas chromatography.

Technical data:

Outlet pressure: 8 bar
Power supply: 110 – 240 V
Interfaces: RS 485, Ethernet
Dimensions (WxDxH): 245 x 460 x 500 mm
Weight: 23 kg
3.5" colour display
Remote functions

Model	Flow rate ml/min	Order No.
MA-150N	150	10 08 00150
MA-250N	250	10 08 00250
MA-400N	400	10 08 00400

Hydrogen generator type MA-D purity 7.0 (99.9999%)

The generators of series MA-D provide higher-purity hydrogen and are perfect suppliers of carrier gas for the applications GC and GC/MS, as well as of ICP-MS reaction gas.

Technical data:

Outlet pressure: 10 bar, optionally 12 bar
Power supply: 110 – 240 V
Interface: RS 485, Ethernet
Dimensions (WxDxH): 245 x 460 x 500 mm
Weight: 25 to 28 kg depending on the model
3.5" colour display
Remote functions

Model	Flow rate ml/min	Order No.
MA-150D	150	10 08 01150
MA-250D	250	10 08 01250
MA-400D	400	10 08 00401
MA-600D	600	10 08 00601
MA-800D	800	10 08 00801
MA-1000D	1000	10 08 11000
MA-1200D	1200	10 08 12000



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② Labgas type GA nitrogen generators: technology PSA pressure swing adsorption

Nitrogen generators are suitable for supplying nitrogen to a wide range of laboratory applications. All generators use the time-proven pressure swing adsorption technology (PSA).

It uses activated carbon molecular sieves to remove oxygen, hydrocarbons, carbon dioxide and moisture from compressed air, producing ultrapure nitrogen fit for use in the laboratory.

Depending on the model, all generators produce nitrogen with purities ranging from 98% to 99.999% (or better).

Technical data:

Output pressure: 6 – 8 bar(g) standard
Power supply: 110 – 240 V
Interface: RS 485, Ethernet
Dimensions (WxDxH): 440 x 855 x 760 mm
External, oil-free compressed air required
3.5" colour display
Remote functions

Model	Flow rate ml/min	Order No.
GA-T2	15.5 – 1.9 @ 98 – 99.9999%	10 08 00002
GA-T4	31.0 – 3.8 @ 98 – 99.9999%	10 08 00004
GA-T6	46.5 – 5.7 @ 98 – 99.9999%	10 08 00006
GA-T8	62.0 – 7.6 @ 98 – 99.9999%	10 08 00008
GA-T10	77.0 – 9.5 @ 98 – 99.9999%	10 08 00010

③ Labgas zero air generators type OR: technology catalytic combustion

Zero air generators produce a continuous volume flow of clean and dry air with a particularly low residual methane content of under 0.1 ppm from an external compressed air source.

The compressed air passes through a hot catalytic unit in which all hydrocarbons are oxidised to water and carbon dioxide. This ensures the desired ultra-efficient removal of all hydrocarbons.

Choose from various series.

Technical data:

Output pressure: 9 bar(g) max.
 Dimensions (WxDxH): 400 x 550 x 134 mm
 Power supply: 230 V
 Weight: 10 kg
 External, oil-free compressed air required

Model	Flow rate ml/min	Order No.
OR-Z01	4	10 08 00011
OR-Z02	8	10 08 00020

Model	Flow rate ml/min	Order No.
OR-Z03	16	10 08 00030
OR-Z04	32	10 08 00040

② Labgas oxygen generators type GE: technology PSA pressure swing adsorption

Using PSA technology, oxygen generators produce a continuous oxygen flow with purities from 90 to 95% from compressed air. Oxygen generators make high-pressure steel oxygen cylinders completely redundant in the laboratory.

Technical data:

Output pressure: 6 bar(g) Standard
 Power supply: 110 – 240 V
 Interfaces: RS 485, Ethernet
 Dimensions (WxDxH): 440 x 855 x 760 mm
 External, oil-free compressed air required
 3.5" colour display
 Remote functions

Model	Flow rate l/min	Order No.
GE-T2	3.2 – 2.7 @ 90 – 95%	10 08 00202
GE-T4	6.4 – 5.4 @ 90 – 95%	10 08 00404
GE-T6	9.6 – 8.1 @ 90 – 95%	10 08 00606
GE-T8	12.8 – 10.8 @ 90 – 95%	10 08 00808
GE-T10	16.0 – 13.5 @ 90 – 95%	10 08 01010

Further models on request, please contact us.

