



HIGH
PURITY
NITROGEN



HF NITROGEN GENERATORS

High purity up to 99.5% – reliable and cost-effective nitrogen for analytical applications

High-purity nitrogen without cylinders or downtime?

Gas generators ensure a stable and effortless supply of nitrogen

High-purity nitrogen should never slow down your workflow. Modern gas generators provide a continuous, on-site nitrogen supply without the logistical challenges of cylinders or the risk of unexpected interruptions.

With stable performance, simple operation and reliable purity levels, they support consistent analytical results while reducing handling effort and operating costs. A smart solution for laboratories that value efficiency, flexibility and dependable performance every day.



Lower costs and reliable nitrogen at the same time

Our nitrogen generators deliver up to 99.5% purity for LC-MS and other applications requiring a reliable inert gas supply. Advanced nitrogen separation technology minimizes overall air consumption while ensuring a consistent flow of high-purity nitrogen. The result is lower operating costs and a reduced carbon footprint. Available with or without an integrated air source, they provide a dependable and cost-efficient nitrogen supply – ideal for laboratories that require continuous performance, even if a high-pressure clean air source is not available on site.

Your advantages

- Premium nitrogen generator with or without integrated compressor
- High-quality components for outstanding reliability
- Proven 3-stage air filtration and high-quality separation membrane for improved N₂ purity
- Internal storage tank for immediate high-purity nitrogen availability
- Low acquisition and best in class for operating costs
- Compact design with easy plug-and-play installation
- Optimized for modern LC-MS systems
- Integrated supply of clean, dry air at 2 independent pressures for Sciex and other LC-MS systems (MG models)



Technical data

Type	Max. volume flow (l/min)	Purity (%)	Noise level at PN dB(A)	Power (kW)	Nominal pressure (bar)	Voltage (V)	Frequency (Hz)	Protection class (IP)	Weight (kg)	Dimensions L x W x H (mm)
HF30A	32	up to 99.5	59	1.7	7	230	50	IP 54	123.0	800 x 605 x 695
HF30P	32	up to 99.5	59	1.5	7	230	50	IP 54	132.0	800 x 605 x 695
HF30N	32	up to 99.5	49	0.8	7	115/230	50/60	IP 54	45.0	630 x 450 x 640
HF30N-MG *	32	up to 99.5	49	0.8	7	115/230	50/60	IP 54	45.0	630 x 450 x 640
HF60N	64	up to 99.5	49	0.8	7	115/230	50/60	IP 54	45.0	630 x 450 x 640
HF60N-MG *	64	up to 99.5	49	0.8	7	115/230	50/60	IP 54	45.0	630 x 450 x 640

* Multigas-models have additional dry air output

Optimally suited for

reliable and durable nitrogen source for LC-MS instruments including:

- Identification of medicinal products, veterinary medicinal products and plant protection products
- Research and development laboratories
- Applications of chemical analysis
- Food technology, e.g. determination of acrylamide in foodstuffs



Inspiring With Green Air

Dürr Technik GmbH & Co. KG
 Pleidelsheimer Straße 30
 74321 Bietigheim-Bissingen
 Germany

Tel. +49 7142 90 22-0
 Fax +49 7142 90 22-99
 office@duerr-technik.de

www.duerr-technik.com