ULTRA HIGH PURITY NITROGEN

(U)HP NITROGEN GENERATORS

Ultra high purity up to 99.9995% for High-End Applications

DÜRR TECHNIK

Inspiring With Green Air

Are you frustrated with handling gas cylinders? Simplify your lab workflow with on-demand N2 generation

Unlimited gas – saving costs

Gone are the days of bulky, pressurized gas cylinders: Chromalytic gas generators offer a convenient and safe solution for producing high-purity nitrogen directly in your lab. Generate nitrogen exactly when you need it, eliminating the need for pre-ordered deliveries and cylinder storage. Reduce the risk associated with pressurized gas cylinders and create a more comfortable work environment. Eliminate rental fees and delivery charges associated with traditional gas cylinders.

Best technology for best analysis results

Our nitrogen generators, like the (U)HP1A and (U)HP2A models, utilize Pressure Swing Adsorption (PSA) technology to deliver exceptional purity levels of up to 99.9995%. This innovative technology captures nitrogen efficiently, minimizing overall air consumption while guaranteeing high-purity output. Our units delivery exceptional performance, while offering whole life costs savings, a lower carbon footprint and in a compact size, meaning they are easier to place within your laboratory.

Your advantages

- Effortless on-demand production
- Premium components for outstanding reliability
- Lowest in class for costs of ownership
- Reliable N2 generation for critical applications
- Enhanced safety and comfort
- Compact, space-saving design
- Designed for ease of maintenance
- Connection of multiple units for redundancy or capacity
- Optimized for all leading GC instruments
- Easy plug-and-play installation
- Integrated catalytic hydrocarbon removal module (UHP models)

Technical data

Type	Max. volume flow (ml/min)	Hydrocarbon content (ppm)	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)
HP1A	1,000		67	1.27	7	115/230	50/60	IP 21	85.0	630 x 450 x 640
UHP1A	1,000	<0.05	67	1.77	7	115/230	50/60	IP 21	87.0	630 x 450 x 640
HP2A	2,000		67	1.27	7	115/230	50/60	IP 21	96.0	630 x 450 x 640
UHP2A	2,000	<0.05	67	1.77	7	115/230	50/60	IP 21	98.0	630 x 450 x 640
HP1	1,000		49	0.5	7	115/230	50/60	IP 21	65.0	630 x 450 x 640
UHP1	1,000	<0.05	49	0.9	7	115/230	50/60	IP 21	67.0	630 x 450 x 640
HP2	2,000		49	0.5	7	115/230	50/60	IP 21	76.0	630 x 450 x 640
UHP2	2,000	<0.05	49	0.9	7	115/230	50/60	IP 21	78.0	630 x 450 x 640

Optimally suited for

- Gas Chromatography (GC/GC-MS)
- Atomic Absorption Spectroscopy (AAS)
- Elemental Analyzer

DÜRR TECHNIK

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

Edition 03/2026