



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 deliver 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



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