



**(U)HP NITROGEN GENERATORS**  
Ultra high purity up to 99.9995% for  
High-End Applications

  
**chromalytic**  
A DÜRR TECHNIK BRAND

## 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 to feed up to 3 GC columns
- Easy plug-and-play installation



### Technical data

Type	Max. volume flow (l/min)	Hydrocarbon content (ppm)	Noise level at PN dB(A)	Motor input (kW)	Nominal pressure (bar)	Voltage (V)	Frequency (Hz)	Protection class (IP)	Weight (kg)	Dimensions L x W x H (mm)
HP1A	up to 1		55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
UHP1A	up to 1	<0.05	55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
HP2A	up to 2		55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
UHP2A	up to 2	<0.05	55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
HP1	up to 1		55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
UHP1	up to 1	<0.05	55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
HP2	up to 2		55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640
UHP2	up to 2	<0.05	55	1.0	7	120/230	50/60	IP 54	45.0	450 x 540 x 640

Typical dew point      -40 °C  
Ambient conditions    +5 to +35 °C  
Purity                      up to 99.9995%

### Optimally suited for

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



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