

ALPHAGAZ Nano[™]

Precisely simple



- Meet high-accuracy gas demand and protect against contaminants by removing critical impurities to low ppb levels
- Confirm gas quality with Certificate of Conformance
- Traceable by lot number back to the cylinder fill batch
- Eliminate user maintenance and external purifying systems
- Get consistent purity and results when gas and equipment function together as a combined system

Are you tired of gases that don't consistently meet your purity specifications? Are you spending your budget on external purifiers to help maintain these purity specs? We've made it simple for you with ALPHAGAZ Nano[™]—an innovative new cylinder package for pure argon, helium and nitrogen from Airgas, an Air Liquide company.

ALPHAGAZ Nano includes high-purity pure gas packaged in cylinders uniquely designed with an integrated purifier and expertly paired with the right high-performance pressure regulators and accessories. Further, this gas package is backed by our national network of specialty gas experts who are ready to help you with your toughest gas challenges.

ALPHAGAZ Nano™

It's time to see analytical pure gases differently

At Airgas, we understand specialty gases and what you need to successfully achieve accurate analytical results. ALPHAGAZ Nano guarantees ultra high-purity gas with minimal contaminants, packaged in cylinders uniquely designed with an integrated purifier, and a safe, ergonomic and permanent top. This means improving the reliability of your results, extending the life of your instrumentation and reducing your costs.



Pure Gas (300 cylinder)	Part Number	Purity	Impurities			
			H ₂ O	N ₂ **	O ₂	THC
Argon	AR NANO300	99.9999%	< 20 ppb	< 5 ppm	< 10 ppb	< 100 ppb
Helium	HE NANO300	99.9999%	< 20 ppb	< 3 ppm	< 10 ppb	< 100 ppb
Nitrogen	NI NANO300	99.9999%	< 20 ppb	—	< 10 ppb	< 100 ppb

* H₂ and halocarbons impurities not applicable.

** For reference only.

Please note: Certification provided by batch conformance. Cylinders are maintained by Airgas during refill.

Recommended gas handling equipment

Now it's easy to maintain the purity of your gas without the hassle of installing and managing external purifiers. Plus, Airgas offers a collection of ALPHAGAZ equipment designed to protect your gas to the point of use, including ALPHAGAZ Nano gas pressure regulators. Manifolds, changeovers and more equipment are available—ask your Airgas representative for more information.

- Low internal volume allows rapid purging in analytical instrumentation applications
- Metal diaphragms minimize diffusion of air into the regulator and eliminate off gassing associated with elastomeric diaphragms
- High-precision regulator design permits vacuum purging of the regulator
- Lightweight and compact design provides for ease of use with cylinders



ALPHAGAZ Nano Equipment	Inlet	Delivery Pressure*		CGA Inlet	Outlet Connection
	psi (max)	psig	gauge		
Single-Stage					
Y11NANOBS580-AL	3000	2-75	0-100	580	¼ NPTM
Two-Stage					
Y12NANOBS580-AL	3000	2-75	0-100	580	¼ NPTM

*Additional delivery pressure ranges are available—contact your Airgas representative for more information.

Fill your Potential.™

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an Air Liquide company