

# ALPHAGAZ<sup>™</sup> 1 with SMARTOP<sup>™</sup>

## Precisely simple



- Guarantee low level of critical impurities with 99.999% pure gas
- Improve safety for your team and in your lab
- Ensure gas quality with Certificate of Conformance
- Traceable by lot number back to cylinder fill batch
- Protect gas purity with high-performance gas equipment

### **Analytical gases don't always have to be so complex.**

At Airgas, an Air Liquide company, we understand these gases and what you need to successfully achieve accurate results. ALPHAGAZ 1 with SMARTOP exceeds the purity recommendations of most laboratory instrument manufacturers and is ideal for any analytical and process control applications.

In addition to guaranteed purity and consistency, ALPHAGAZ 1 comes equipped with SMARTOP cylinder valve technology that protects gas purity and helps you better manage gas use and improve safety. With a unique ergonomic top, visible on/off levers and at-a-glance cylinder content readings, your team always knows when the cylinder is open and how much gas you have left.

# ALPHAGAZ™ 1 with SMARTOP™

It's time to see analytical pure gases differently

With guaranteed purity and minimal contaminants, ALPHAGAZ 1 with SMARTOP is ideal for most analytical and process control applications ranging from percent to ppm analysis.



Pure gas (300 Cylinder)	Part Number	Purity	Impurities				
			H <sub>2</sub> O	O <sub>2</sub>	THC	CO	CO <sub>2</sub>
Argon	AR AZ1300SMT	99.999%	< 1 ppm	< 1 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
Air	AI AZ1300SMT	99.999%	< 1 ppm	—	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
Helium	HE AZ1300SMT	99.999%	< 1 ppm	< 1 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
Hydrogen	HY AZ1300SMT	99.999%	< 2 ppm	< 1 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
Nitrogen	NI AZ1300SMT	99.999%	< 1 ppm	< 1 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
Oxygen	OX AZ1300SMT	99.994%	< 2 ppm	—	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm

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

## Recommended gas handling equipment

It's easy now to maintain the purity of your gas with a collection of gas handling equipment designed to protect gas through to the point of use—including gas pressure regulators, mounting brackets, manifolds, changeovers and more.

This analytical series of high-purity brass, single and two-stage regulators is recommended for non-corrosive analytical and process applications where precise pressure control is required. These units feature stainless steel diaphragms and bar stock bodies with low internal volume and minimal dead space.



Two-Stage  
Y12244D(CGA)-AG

Equipment	Inlet	Delivery Pressure*		Flow Capacity (scfh)	Outlet Connection	Relief Valve Setting
	psi (max)	psig	gauge			psig
<b>Single-Stage</b>						
Y11244D(CGA)-AG	3000	1–100	0–200	1000	¼ NPTF	150
<b>Two-Stage</b>						
Y12244D(CGA)-AG	3000	1–100	0–200	900	¼ NPTF	150

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

*Fill your Potential.™*

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