Airgas | SMARTOP™

an Air Liquide company

Innovative valve for ALPHAGAZ™ pure gases



SMARTOP™

Safer, easier, efficient

Only for ALPHAGAZ™ pure gases

On/off levers



Always know if your cylinder valve is open or closed. Open lever 1 (orange) for partial flow and both levers for full flow

Permanent pressure gauge



Always know how much gas you have with our easy-to-read gauge, even when flow is stopped

Protective cap



Always know you are safe with emergency shut off of gas and permanent protection for the valve

1. Work safely

- On/off levers enable quick shut-off of gas in emergency situations and eliminate the risk of incomplete closure of the valve. Open lever 1 (orange) for partial flow and both levers for full flow.
- Integrated flow limitation guarantees safe opening at high pressure and assures protection in case of accidental opening of the cylinder valve.
- Built-in Residual Pressure Valve (RPV) prevents back flow contamination during use and storage.
- Protect your work, your instrumentation and the purity of your gas with integrated Non-return Valve (NRV), fill after fill.
- Protective and open cap provides permanent and reliable valve protection, with easy access. It also eliminates lost cylinder caps. Integrated knob allows for easy cylinder handling.

2. An ergonomic valve for easy operation

- Lever-activated valve is safe and simple to operate—no cylinder wrenches or twisting—significantly reducing joint, elbow, shoulder and wrist discomfort.
- Use the on/off lever to quickly open and close the cylinder valve. When compared to standard valve operation, this cuts time by 35% and is exceptionally beneficial for purging processes.
- Built-in pressure gauge provides quick visual indication of the gas volume.

3. Save gas, save time, save money

- After work, open cylinders can be easily identified and closed thanks to the on/off levers. This enables improved management of your gas consumption and eliminates expensive losses and leaks.
- Reliable volume indication improves cylinder management and reduces waste—you always know how much gas you have left.
- Pressure regulators connect easily and quickly to SMARTOP valves without any modification.

ALPHAGAZ™ pure gases feature an innovative cylinder tested and approved by analytical laboratories worldwide.



ALPHAGAZ™

The first ever specialty pure gas range for analytical applications designed to safely meet all of your analytical needs.

ALPHAGAZ™ 1

With guaranteed low critical impurity levels, these pure gases come exclusively with SMARTOP™ valves to ensure accurate analysis.

Impurities	Argon 99.999%	Helium 99.999%	Nitrogen 99.999%
CO_2	<1 ppm	<1 ppm	<1 ppm
CO	<1 ppm	<1 ppm	<1 ppm
H_2O	<1 ppm	<1 ppm	<1 ppm
N_2	<5 ppm	<5 ppm	–
O_2	<1 ppm	<1 ppm	<1 ppm
THC	<0.5 ppm	<0.5 ppm	<0.5 ppm

Recommended gas handling equipment

- Two-stage brass regulator – Y12-244
- Mounting bracket with 30" pigtail, check valve and CGA 580 – Y15-QMB1



Contact us
855.625.5285 I info@airgas.com
Airgas.com I AirgasSGcatalog.com

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