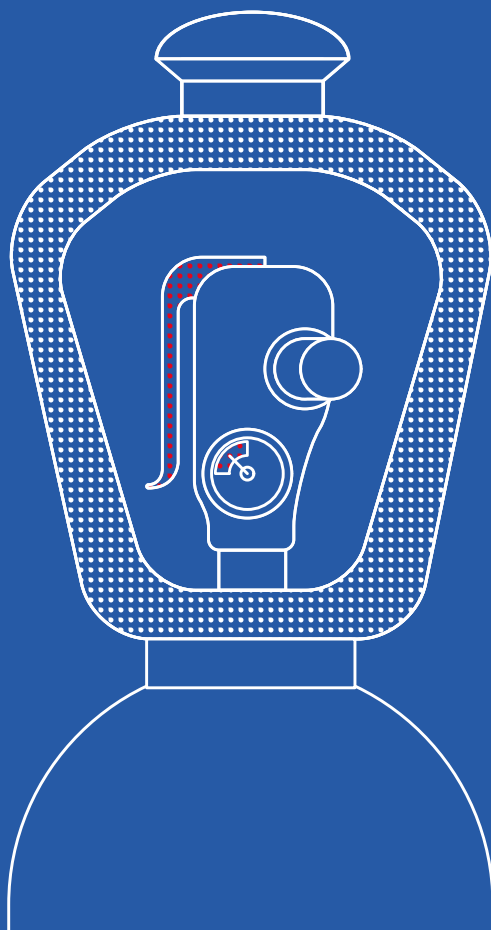


Ergonomic valve for ALPHAGAZ™ Pure Gases



SMARTOP™

Smart, Simple, Unique

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

1. An ergonomic valve for easy operations

- Lever-activated valve is safer and simpler to operate. Our biomechanical study has proved that the discomfort level of the joints was significantly reduced by 70% for the elbow, 35% for the shoulder and 25% for the wrist*.
- By simply moving the on/off lever, you can quickly open and close the cylinder valve. This is a time saving of 35% compared to standard valve* operations and is exceptionally beneficial for purging processes.
- Built-in pressure gauge provides visual indication of the gas volume.

2. Protecting and ergonomic cap

- Ensure total safety with permanent and reliable protection of the valve.
- Open cap provides you with easy access to the valve's operations at all times, while the knob allows for easy handling of the cylinder.

90% of users are satisfied of using **SMARTOP™** valves compared to 50% using standard valves.

*Study published in the Ergonoma journal 09/2011.



SMARTOP™ valve makes ALPHAGAZ™ pure gases easier and safer to use



On / off lever



Permanent
pressure gauge



Ergonomic cap

Work Safely

- On/off lever enables the quick shut-off of the gas in the emergency situation and eliminates the risk of incomplete closure of the valve.
- Integrated flow limitation guarantees safe opening at high pressure and assures additional protection in case of accidental opening of the cylinder valve
- **SMARTOP™** is equipped with the Residual Pressure Valve and Non-Return Valve that prevent contamination due to atmospheric backflow.

Save Gas, Save Time, Save Money

- After work, left open cylinders can be easily identified and closed thanks to the on/off lever. This enables improved management of your gas consumption and avoid expensive losses and leaks!
- Thanks to the volume indication you always know what the available volume is, and can better manage and reduce your stock.
- Your pressure regulators can be connected without any modification the new **SMARTOP™** valves.

ALPHAGAZ™

The first ever specialty gas range for analytical applications designed to meet your needs to the fullest extent, from the most common to the most high end requirements.

Pure gases:

2 levels of purity with guaranteed low critical impurity levels

- **ALPHAGAZ™ 1**, for the accuracy of analysis - ranging from % to ppm
- **ALPHAGAZ™ 2**, for the high accuracy of analysis - ranging from ppm to ppb

Calibration mixtures:

4 product classes depending on your analytical accuracy and blend tolerance. Our products combine 2 to 40 components, with accuracy ranging from % to ppb.