



ALPHAGAZ™ product range, successfully launched worldwide, is the easiest way to ensure the accuracy of your analysis.

ALPHAGAZ™ products with its accurate and reliable results meet the needs of laboratories for their analysis and process control applications, thanks to its **guaranteed low critical impurity levels**. ALPHAGAZ™ 1 is designed for the accuracy of analysis from % to ppm.

### ALPHAGAZ™ 1

**Specifications**  
Ar, H<sub>2</sub>, He, N<sub>2</sub>, O<sub>2</sub>

H <sub>2</sub> O	< 3 ppm
O <sub>2</sub>	< 2 ppm*
THC	< 0.5 ppm

\* except for O<sub>2</sub>

### Air

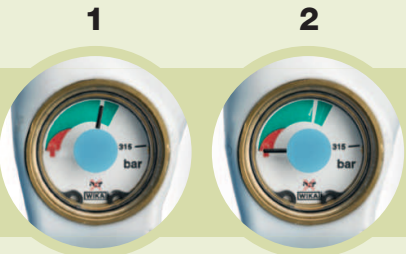
H <sub>2</sub> O	< 3 ppm
O <sub>2</sub>	20-22%
THC	< 0.1 ppm

### SMARTOP™ for ALPHAGAZ™

### User guide

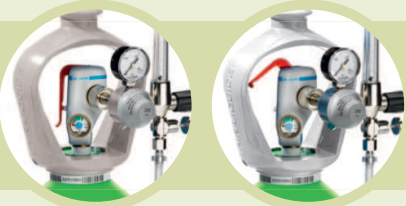
#### Gas content verification

1. Full cylinder
2. Empty cylinder



#### Getting started

1. Connect the pressure regulator
2. Lift the valve lever



#### Opening and closing

1. Lift lever UP to OPEN valve
2. Move lever DOWN to CLOSE valve



## SMARTOP™ for ALPHAGAZ™

Innovative and ergonomic valve  
for laboratory applications



Contact your Air Liquide representative for more information.  
[specialtygases.ca](http://specialtygases.ca) | 1-800-217-2688

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# SMARTOP™ for ALPHAGAZ™ :

simpler, safer and more reliable



ALPHAGAZ™ our dedicated product line for laboratory and analysis evolves. In addition to a guaranteed purity, Air Liquide is now adding our ergonomic SMARTOP™ valve to offer improved safety and simplicity of use.



You can work in a safer and simpler environment, where gas quality and cylinder ergonomics help you accomplish your work more efficiently and accurately.

## New ergonomics of the cap and the valve:

ALPHAGAZ™, with SMARTOP™ offers you a new innovative cylinder package which has been tried and tested in analytical laboratories.

### 1. Protective and ergonomic cap ensures comfort and security:

- Ensures total safety and allows you **easy access** at all times to the valve's operations.
- Lever-activated valve is safer and simpler to operate and reduces joint discomfort of operating standard valves.

### 2. An ergonomic valve that eases and simplifies cylinder operation:

- **By simply moving the lever**, you can quickly open and close the cylinder valve. The time saving compared to operating a standard valve is exceptionally beneficial for purging processes.
- Built-in pressure gauge **provides visual indication of the gas volume**.

**Tried and tested by 8,973  
Air Liquide Canada  
customers nationwide.**

**Easy to handle**  
Ergonomic protection.

**Easy opening and closing**  
On/Off lever.

**Easy connection of pressure regulator**  
Allows connection of standard pressure regulator.

**Constant indication of the cylinder volume**  
Built-in pressure gauge to immediately see available volume .

**Optimale safety**  
Secured opening at high pressure thanks to built-in flow limitaiton.

## Working in a Safer Environment

- On/off lever enables the **quick shut-off of the gas** in 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.

## Saving You Money

- Cylinders left open unintentionally can be easily identified and closed thanks to the on/off lever. **This enables improved management of your gas consumption and prevents expensive losses and leaks!**
- Thanks to the volume indicator you always know the level of available product in the cylinder and can **better manage and reduce your inventory**.
- Your pressure regulators can be connected without any modification to the new SMARTOP™ valve.



**The latest Air Liquide innovation  
making ALPHAGAZ™ pure gases  
easier and safer to use.**