

# Exclusive ALTOP<sup>TM</sup>

With Built-In Regulator for Industrial Gases



## Improve Safety, Save Time and Money

- Emergency shutoff increases safety.
- No pressure regulators to buy or maintain.
- Eliminates lost time due to regulator malfunction.
- Positive ON/OFF lever prevents wasted gas due to partially open traditional style valves.
- Visual reading of cylinder contents prevents accidental return of half-full cylinders.
- Ergonomic design permits safer, easier maneuvering of cylinder.
- Shock-absorbing cap protects against accidental damage if cylinder falls.



# It's all in the TOP

ALTOP™: Complete High-Pressure Gas Solution



Designed for use with our **ARCAL™** shielding gases, the unique Air Liquide ALTOP features a fixed ergonomic safety cap with a fully integrated pressure regulator and easy-to-use ON/OFF lever-activated valve. ALTOP provides improved cylinder handling and safety in an innovative, easy-to-use design that increases on-the-job efficiency while reducing overall costs.

## Ergonomic Grip

Ergonomic design makes it easy to maneuver the cylinder

## Shock-Absorbing Cap

The fixed shock-absorbing cap permanently protects valve and regulator from damage

## ON/OFF Lever

ON/OFF lever opens valve quickly and provides unmistakable indication of valve status

## Built-In Regulator

Built-in regulator\* controls flow of gas and eliminates accidental exposure to high-pressure gas flow

## Pressure Gauge

View pressure of cylinder at a glance without opening valve

## Check Valve

Built-in check valve prevents back-flow contamination during use and storage

## Outlet Fitting

Allows quick connection of hoses to outlet fittings

## Flow Control Hand Wheel

Adjusts outlet flow with a turn of the wheel



\* Air Liquide checks regulator function during each cylinder refill.  
Regulator rated up to 2900 psig (200 bar).

# Air Liquide ALTOP™

Improves Safety, Saves Time and Money



## Safety

### ■ Complete regulator protection

Thanks to the protective cap made of reinforced polyamide.

### ■ Safer cylinder handling

Maneuver cylinder more easily and safely with ergonomic cap

### ■ Quick gas flow shutoff

Lever allows quick emergency gas shutoff, plus visual ID of valve status.

### ■ Safe outlet pressure

Eliminates exposure to high cylinder pressure—gas is reduced before being adjusted to desired outlet pressure and flowrate.

### ■ Performance checks

Each time the cylinder is refilled, Air Liquide checks to ensure proper function of the pressure regulator.



## Simplicity

### ■ Easier cylinder handling

Ergonomic cap design makes cylinder easier to maneuver.

### ■ Easy ON/OFF

Quickly open and close valve with a single action.

### ■ Built-in gauges

Content gauge indicates gas level while flow gauge and hand wheel allow easy adjustment of outlet pressure and flowrate after reduction.

### ■ Easy pressure regulation

ALTOP allows the user to quickly change outlet pressure and flowrate to meet requirements.

### ■ Quick connection

Allows quick connection of hose in one simple action.



## Savings

### ■ Time savings

Ready to use with the flip of a lever, plus a quick connect fitting permits fast hose connection to save even more time.

### ■ Regulator savings

Built-in regulator eliminates the need to purchase and maintain separate regulators.

### ■ Gas savings

Positive ON/OFF lever action prevents gas loss due to partially open valves, while visual ID of cylinder contents prevent accidental return of half-full cylinder.

# ALTOP™ with ARCAL™

## The Safe, Economical Shielding Gas Solution

ALTOP is an innovative advancement in on-the-job safety when using gases in high-pressure cylinders. Designed to perfectly compliment our ARCAL shielding gases, ALTOP is the result of years of development and combines a built-in gas regulator, cylinder valve and valve guard in one convenient, user-friendly package.

From its integral, ergonomic protective cap to its patented ON/OFF valve lever, ALTOP is packed with useful features that make it totally unique in the welding industry. Be sure to specify ALTOP when ordering single cylinders of ARCAL shielding gases. ARCAL with ALTOP— it's a combination guaranteed to save time and expense, plus improve on-the-job welding safety.



ARCAL shielding gases are available in single cylinders or economical multi-cylinder packs when larger gas quantities are needed. They deliver optimum performance for root shielding, plasma cutting and arc welding of stainless, carbon and alloy steel, aluminum, copper and other materials. ARCAL products meet or exceed current and anticipated changes to A5.32/ISO 14175 standards. The application of these gases allows high welding and cutting productivity, exceptional quality of welded joints and better working conditions.



Air Liquide America Specialty Gases LLC  
6141 Easton Road  
Box 310  
Plumsteadville, PA 18949

Phone: 800.217.2688  
Fax: 215.766.2476  
Email: [solutions.center@airliquide.com](mailto:solutions.center@airliquide.com)  
[www.ALspecialtygases.com](http://www.ALspecialtygases.com)



Founded in 1902, Air Liquide is a world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

NOTE: This brochure is intended for general information purposes only and is not intended as a representation or warranty of any kind, or as a statement of any terms or condition of sale. The information herein is believed to be correct, but is not warranted for correctness or completeness or for applicability to any particular customer or situation.

ALTOP, ARCAL and MOLECULES THAT MATTER are trademarks of the Air Liquide Group.  
©2010 Air Liquide America Specialty Gases LLC.