

# Safety. Service. Reliability.

Comprehensive Industrial and Specialty Gas and Equipment Solutions for Turnarounds, Major Maintenance and New Construction Projects





The industry's most comprehensive industrial and specialty gas management solutions for turnarounds, major maintenance, compliance and new construction projects.

### IGS Applications

- Accelerated cool downs
- Hot stripping of hydrocarbons
- Purging
- Blanketing
- Inerting
- Displacing
- Pipeline pigging
- Pressure testing
- Cooling
- Heating
- Drying
- Pipeline backup

-320° to 500°



Variable temperatures from -320°F to 500°F

600,000

SCF/hr (per unit)



Variable flow rates up to 600,000 SCF/hr (per unit)

0 to 10,000 psi



Variable pressures from 0 to 10,000 psi

### AIR LIQUIDE INDUSTRIAL GAS SERVICES (IGS)

## Value Begins with Industrial Gas Services

Air Liquide's Industrial Gas Services division provides fast, reliable service to customers throughout the continental United States. Operating out of multiple locations across the country, our regional account managers and experienced customer support specialists are available to support your operations 24/7, 365 days per year, regardless of weather conditions, including natural disasters.

### Leading Provider

Air Liquide is a recognized leading provider of industrial and specialty gas products and services to the chemical, refining, pipeline, marine and steel industries. Our team of field technicians and other experts provide you with safe, cost-effective solutions that will help you increase your productivity and improve the yield of your production site while complying with all applicable industry, environmental and safety regulations.

Air Liquide's IGS teams have the experience, equipment and materials necessary to get any job completed quickly, efficiently and correctly—the first time. Our specialized pump trucks and other related equipment make even the toughest of jobs look routine. Moreover, Air Liquide owns and operates 43 nitrogen production facilities across the country to ensure direct access to nitrogen supply regardless of your location.

### Air Liquide IGS Advantages:

- Extensive portfolio of products and services for any application
- Extensive nitrogen supply network
- Mobile nitrogen pumping/vaporizing units
- Over 40 years of nitrogen pumping experience
- Temporary on-demand supplies of nitrogen
- Specially designed pumping units depending on your need
- Service options including variable flow rates of up to 600,000 SCF/hour (per unit), temperatures from -320°F to 500°F and pressures from 0 to 10,000 psi





**AIR LIQUIDE AMERICA SPECIALTY GASES DIVISION (ALASG)**

## Value Continues with Specialty Gases and Services

Air Liquide's Specialty Gas division supplies the most extensive portfolio of gases and related services in the industry to support your most challenging turnarounds, major maintenance projects or new construction requirements.

### Comprehensive Solutions

Our ARCAL™, FLAMAL™, Scott™ and ALPHAGAZ™ gases are widely recognized as global standards for refining, petrochemical, power generation and manufacturing applications. Simplified product specifications make it easy to select the appropriate gas for any job at hand. Online management tools provide the real time resources needed for effective asset management. In addition, Air Liquide stocks an extensive inventory of durable, efficient gas handling equipment for safe, reliable gas delivery.

#### Air Liquide Specialty Gases Advantages:

- Clearly identifiable cylinders, packs and dewars facilitate easy separation from standard on-site operating inventory
- Innovative packaging such as SMARTOP™ and ALTOP™ and cylinder pack lift cradles make handling and use of gases safer and easier
- Packaging options provide flexibility to meet any requirement economically and efficiently
- Extensive portfolio of pure and mixed gases for any application
- Gas handling equipment to protect gas integrity and deliver it safely
- On-site gas handling safety evaluations to help minimize on-the-job hazards
- SHOP@airliquide.com™ provides online accounting and management of project asset inventory

### ALASG Applications

- Welding
- Cutting
- Purging
- Calibration standards
- Leak testing
- Breathing air
- Bulk hydrocarbons
- Process control



Exclusive SMARTOP and Open Cap



Exclusive ALTOP with built-in regulator



### The Air Liquide Advantage

Commitment to safety, technology and innovation has kept Air Liquide at the forefront of the specialty and industrial gas business for more than 100 years. Our presence of 50,000 employees in 80 countries enables us to leverage the resources of a truly global enterprise with powerful, personalized service from our localized, customer-focused teams.

### A Word about Safety

Safety is a core value at Air Liquide and is always our foremost consideration throughout the production, distribution and customer application of every Air Liquide product and service. As a recognized safety leader in the industry, we employ a systematic approach to workplace health and safety and equip our employees with extensive and continuous safety training. Air Liquide is the recipient of the Compressed Gas Association (CGA) Fleet Safety Award in 2001, 2002 and 2011.

### Packaging and Equipment Flexibility

Air Liquide offers plenty of equipment and gas packaging options for safe, reliable supplies of gas that make economic sense for any turnaround, major maintenance or new construction project.



Equipment inventory includes regulators, manifolds, hoses and much more



World leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with close to 50,000 employees and serves more than 2 million customers and patients.

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.

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### Air Liquide

2700 Post Oak Boulevard  
Suite 1800  
Houston, TX 77056

### Air Liquide Industrial Gas Services

Phone: 877.855.9533  
www.us.airliquide.com

### Air Liquide America Specialty Gases

Phone: 800.217.2688  
Email: ALASG.info@airliquide.com  
www.ALspecialtygases.com