

Gases for Industrial Emission Monitoring

Key Benefits of Our Offer

- High Analytical Accuracy
- Stable Gas Mixtures
- Reliable Lead Time
- Customer Centric Service
- ISO 17025 Accreditation
- US EPA Protocol Compliance
- NIST Traceability



Indonesia's Emission Goal

Indonesia is taking concrete steps to reduce emissions in line with its commitment to achieve **net-zero emissions by 2060**. As part of its efforts to reduce emissions, the government has enacted a number of policies and requires emitting industries to install **Continuous Emission Monitoring Systems (CEMS)** and connect to the government's information system **SISPEK**.

To accurately and reliably measure emission levels, these industries will require gases compliant with local and/or global regulations.

Applicable Industries

- Thermal Power Plant
- Fertilizer
- Petrochemical
- Pulp & Paper
- Iron and Steel Smelting
- Oil and Gas
- Cement
- Rayon
- Mining and Mineral Processing
- Carbon Black
- Glass
- Pharmaceutical
- Food
- and others...

Our Offer

Our state-of-art production facilities have **ISO 17025** accreditation, demonstrating high level of quality controls and laboratory competencies. We are able to offer you a wide range of analytical gases (pure and mixtures) that meet the highest standards in terms of safety, quality and lead time.

Typical Gas Mixtures		Concentration Range	Accuracy
Components	Balance		
Carbon Monoxide Carbon Dioxide Propane	Nitrogen	0.2 - 5% 1.5 - 18% 150 - 1000 ppm	±1% ±1% ±2%
Carbon Monoxide Carbon Dioxide Propane	Nitrogen	0.2 - 5% 1.5 - 18% 1000 - 5000 ppm	±1% ±1% ±1%
Carbon Dioxide Carbon Monoxide Nitric Oxide Sulfur Dioxide	Nitrogen	1 Mol-% to 20 Mol-% 100 ppm to 5000 ppm 200 ppm to 5000 ppm 100 ppm to 1000 ppm	±1% ±2% ±2% ±2%
Carbon Dioxide Carbon Monoxide Sulfur Dioxide	Nitrogen or Synthetic Air	1 Mol-% to 20 Mol-% 100 ppm to 5000 ppm 100 ppm to 1000 ppm	±1% ±2% ±2%
Carbon Dioxide Carbon monoxide Nitric Oxide Propane	Nitrogen	1 Mol-% to 20 Mol-% 500 ppm to 10 Mol-% 100 ppm to 4500 ppm 20 ppm to 1000 ppm	±1% ±1% ±1% ±2%
Nitric Oxide Oxygen	Nitrogen	10 ppm to 450 ppm 1 Mol-% to 30 Mol-%	±2% ±1%

Please get in touch with us if you are interested in other components, including CS₂, NH₃, mercury, and COS. Our dedicated experts are available to answer your questions and help you choose the right gases for your needs.

ALPHAGAZ™ Product Range

ALPHAGAZ™ is our premium specialty gases range specifically created and developed for analysis, quality, and environmental control and to address specific needs across all markets.



ALPHAGAZ™ Pure Gas 1 & 2

Appreciated for easy use and handling that covers 90% of the market needs.

- ALPHAGAZ™ 1
Routine analysis
- ALPHAGAZ™ 2
More precise or lower concentration analysis



ALPHAGAZ™ Mixtures

Recognised worldwide for its definitive calibration standards.

- ALPHAGAZ™ Mix for Instrumentation Mixtures
- ALPHAGAZ™ Mix for Accreditation
- ALPHAGAZ™ Mix for Compliance
- ALPHAGAZ™ Mix for all other Specialty Gas Mixtures

Our products are available in 10L, 20L and 50L refillable cylinder sizes, in either Aluminum and Steel material. BS & CGA type cylinder connection valves are also provided.

For other cylinder sizes and connection valves, please get in touch with us.

Related Equipment

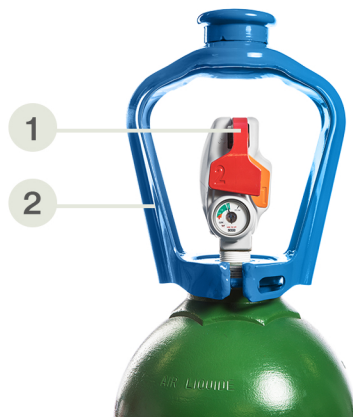
SMARTOP™

1 An Ergonomic Valve for Faster and Easier Operations

- Lever-activated
- Built-in pressure gauge showing gas volume

2 Protective and Ergonomic Cap

- Permanent and reliable protection of the valve
- Easy access to valve
- Knob for easy handling



LABTOP™

1 New On/Off Hand Wheel

- Immediate gas cut-off for increased safety
- On/off status at a glance

2 Advanced Built-in Regulator

- Zero exposure to high pressure gas flow
- Easy actuation and status indication with the 1/4 turn on/off hand wheel
- No need to purge the regulator to ensure the quality of your analysis

3 Ergonomic and Shock-Absorbing Cap

- Permanent and reliable protection of valve and regulator
- Easy access during valve operations
- Easy handling of the cylinder



Contact us

Air Liquide Indonesia (ALINDO)
 Bekasi Head Office Tel: +62 21 8980071
 Jakarta Representative Office Tel: +62 21 50845460
 Email: marketing.indonesia@airliquide.com

www.id.airliquide.com

