GAS PRODUCTS

PURE SOLUTIONS. POWERING INDUSTRY.



INDUSTRIAL · SPECIALTY · MEDICAL GASES

Product Catalogue

Pure Solutions. Powering Industry.

www.gasproductssa.com



Your Partner in Every Gas

Who We Are

Gas Products is a Saudi supplier of industrial, specialty and medical gases based in Riyadh. We deliver high-purity gases together with the equipment to store and use them — from high-pressure cylinders and cryogenic dewars to bulk tanks and ISO containers — backed by a technical team that keeps your operation running safely.

Our Mission

To be the most dependable partner for every gas our customers need — pure in quality, safe in handling and on time, every time.

Our Vision

To power the Kingdom's industrial growth with clean, reliable gas solutions in step with Vision 2030.

Why Gas Products

High Purity
Grades up to 99.999% with certificate of analysis

Every Supply Mode
Cylinders, bundles, dewars, bulk tanks and ISO containers

Reliable Delivery
Scheduled and emergency deliveries across the Kingdom

Safety First
Handling, filling and testing to international standards

Technical Support
Site surveys, installation and after-sales service

Flexible Contracts
Rental, purchase or long-term supply agreements



Industrial Gases

O_2 — Oxygen
99.5% – 99.999%

Cutting, welding, steel making, combustion enhancement and water treatment.

N_2 — Nitrogen
99.9% – 99.9999%

Purging, blanketing, pressure and leak testing, laser cutting and food packaging.

Ar — Argon
99.99% – 99.999%

Shielding gas for TIG / MIG welding, metal fabrication and heat treatment.

CO_2 — Carbon Dioxide
Industrial · Food

Beverage carbonation, welding mixtures, fire suppression and cooling.

C_2H_2 — Acetylene
Dissolved

The hottest oxy-fuel flame — cutting, brazing, flame heating and hardening.

AIR — Compressed Air
Breathing · Zero

Breathing air for SCBA and diving, instrument air and zero air for analyzers.

CO_2/Ar — Argon / CO_2 Mix
82/18 · 92/8

The standard shielding gas for MAG welding of carbon steel — a stable arc, less spatter and deeper, cleaner welds than pure CO_2.

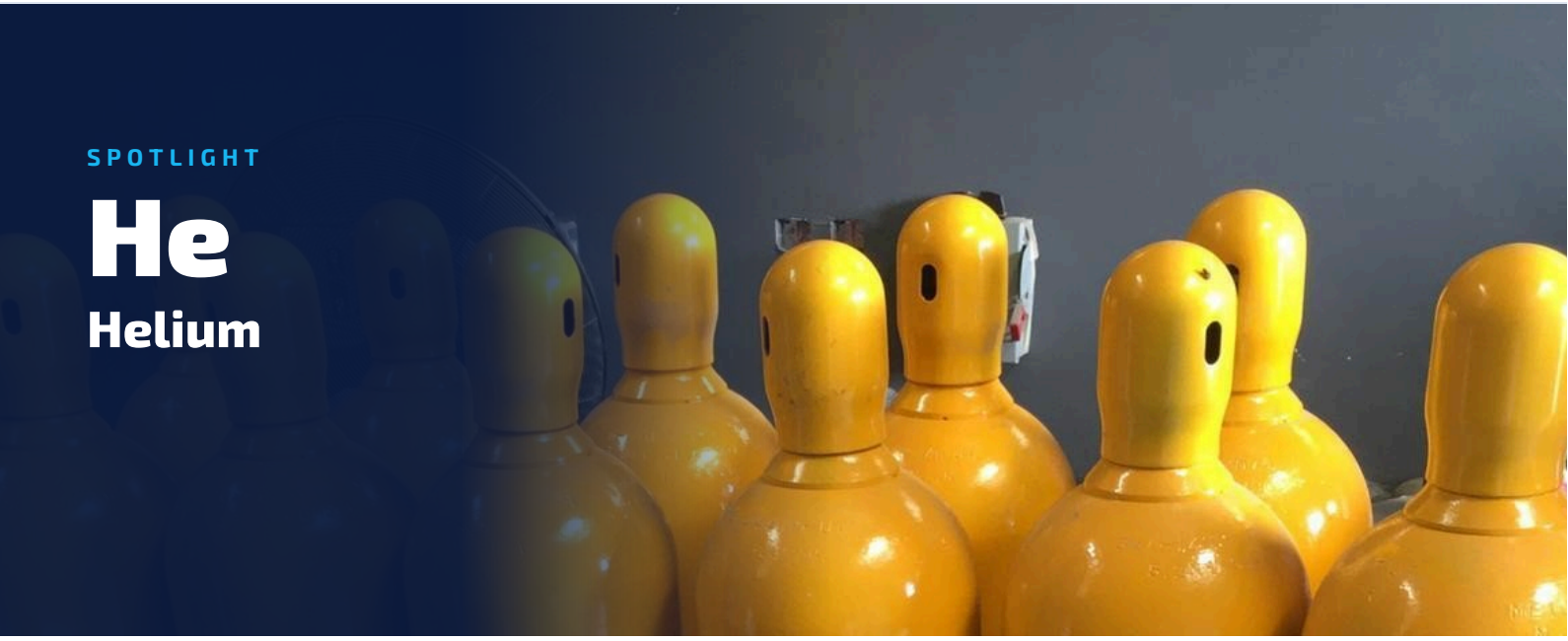
Liquid gases on request

Liquid oxygen (LOX), liquid nitrogen (LIN), liquid argon (LAR) and liquid CO_2 delivered to your dewars or bulk tank.

6

core industrial gases

Supplied as compressed gas in cylinders and bundles, or as cryogenic liquid in dewars and bulk tanks.



SPOTLIGHT

He

Helium

Light, inert and non-flammable, helium is essential wherever leaks must be found, metals must be protected or temperatures must reach the extreme.

- Leak detection and pressure testing
- MRI magnet cooling and cryogenics
- Carrier gas for chromatography (GC)
- TIG welding of aluminium and stainless
- Balloons, airships and heliox diving mixes

Balloon grade | **4.6 — 99.996%** | **5.0 — 99.999%** | **Cylinders & bundles**



H_2 Hydrogen

Heat treatment, hydrogenation, FID detectors and fuel cells.

Calibration Mixtures

Precise gravimetric mixtures for gas detectors, analyzers and emission monitoring — e.g. CH_4, H_2S, CO, O_2 in N_2 or air.

Welding Mixtures

Ar/CO_2, Ar/O_2, Ar/He and tri-mix blends tuned for cleaner, faster welds.

NH_3 Ammonia

Refrigeration, NOx control (SCR) and metal nitriding.

N_2O Nitrous Oxide

Industrial and food grade — whipped cream, electronics, AAS.

C_3H_8 Propane

Fuel gas for cutting, heating, furnaces and forklifts.

SF_6 Sulphur Hexafluoride

Insulating gas for high-voltage switchgear and breakers.

PURITY GRADES

2.5	3.0	4.0	5.0	6.0
99.5%	99.9%	99.99%	99.999%	99.9999%

Medical & Food Gases



MEDICAL GASES

Medical Oxygen
Hospitals, clinics, home care

Nitrous Oxide N_2O
Anaesthesia and pain relief

Medical Air
Ventilators and respiratory therapy

Medical CO_2
Laparoscopy and insufflation

Liquid Nitrogen
Cryotherapy, IVF and biobank storage

FOOD & BEVERAGE

Food CO_2
Carbonation, dry ice

Food N_2
Packaging, freezing

MAP Mixtures
N_2/CO_2 shelf-life

REFRIGERANT GASES

Freons for every system

R-134a
Automotive AC · chillers

R-410A
Split & package AC

R-32
New-generation split AC

R-404A
Commercial refrigeration

R-407C
AC systems · chillers

R-507A
Low-temp cold rooms

Supplied in disposable and returnable cylinders. Other grades on request.



Cylinders & Supply Systems

High-Pressure Cylinders

Seamless steel and aluminium cylinders, tested and fitted with the correct valve for each gas.

Water capacity	Pressure
10 L	150 – 200 bar
20 L	150 – 200 bar
40 L	150 – 200 bar
47 L	200 bar
50 L	200 – 300 bar

Typical sizes — confirm availability with sales.

Disposable Cylinders



Lightweight, non-returnable cylinders — no deposit, no return logistics. Ideal for refrigerants, calibration gases, balloon helium and small-volume users.

Cylinder Bundles (MCP)

12 or 16 cylinders in one frame — more gas, fewer changeovers.

Manifold Systems

Automatic changeover manifolds, regulators and gas pipelines for uninterrupted supply.

CYLINDER SERVICES

- Hydrostatic testing
- Valve maintenance
- Painting & labelling
- Rental & exchange



LIQUID CYLINDERS

Cryogenic Dewars

175 L	195 L	210 L	230 L

Vacuum-insulated stainless-steel vessels that store gas as a cold liquid. One dewar holds the gas of many high-pressure cylinders — less handling, fewer deliveries and lower cost per cubic metre.

- For LOX, LIN, LAR, LCO_2 and LN_2O
- Low, medium and high-pressure versions
- Built-in vaporizer and pressure-building circuit
- Liquid or gas withdrawal from the same vessel
- Protective ring guard and caster base



Filled, delivered & exchanged

We fill your dewars or supply ours on rental, with regular exchange schedules.

Typical capacities — confirm availability with sales.



Cryogenic Storage Tanks

Vertical and horizontal vacuum-insulated tanks for on-site storage of liquid gases — the most economical supply for high-volume users.

Media	LOX · LIN · LAR · LCO_2
Capacity	3 m^3 – 100 m^3
Working pressure	0.8 – 3.5 MPa
Orientation	Vertical / Horizontal
Insulation	Vacuum perlite / multilayer

Typical ranges — sized to your consumption.





TURNKEY INSTALLATION

- **Site survey & foundation**
- **Vaporizers & regulators**
- **Level telemetry**
- **Commissioning & maintenance**



Liquid Gas Delivery

Our cryogenic tankers deliver liquid oxygen, nitrogen, argon and CO_2 straight into your storage tank or dewars — on a fixed schedule or on demand — so your plant never runs dry.

01 Order or level alert

02 Tanker dispatched

03 Safe on-site filling

04 Quality certificate



Cryogenic ISO Tanks

20 ft and 40 ft T75 containers for road, rail and sea, with optional transfer pump.



Cryogenic Road Tankers

Vacuum-insulated semi-trailers for bulk deliveries of liquid gases.



Kingdom-wide Logistics

Planned routes and emergency supply to keep critical sites running.

INDUSTRIES WE SERVE

Gas for every sector

- Oil & Gas
- Petrochemicals
- Fabrication & Welding
- Healthcare
- Food & Beverage
- Labs & Research
- Construction
- HVAC & Water

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Pure Solutions. Powering Industry.