



### **Our Daily Mission:**

Secure, Safe & Reliable Gas Delivery

Whether You are looking for a single cylinder or thousands of Kg per day, **Secure Supplies** will deliver:

- > the Gases you need
- > to the **Spec** you need
- > at the competitive Price You need.

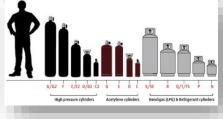
Secure Supplies On-Demand METHODS of DELIVERY to You:

### NEEDS ANALYSIS & DESIGN DEVELOPMENT

- Reformer Design,
- Fueling Design,
- Fuel Storage and Delivery Systems,
- Heating System Design,
- Fuel Cell Systems,
- Engines Systems,
- Safety System Design,
- Monitoring Design,
- Operation and Maintenance Planning.

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# Cylinders & Liquid Containers



## Bulk & Mini Bulk Delivery



## Pipeline from Mother Stations







**Buy / Rent** 

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Website

https://www.secure.supplies/gas-delivery





### **PRODUCTS:**

We Produce, Supply and Distribute Fuel Cell Grade Industrial Gases: Hydrogen, Oxygen, Nitrogen and Other Gases

### INDUSTRIAL SERVICES

Efficient cutting edge mobile pipeline daily supply chain delivery to industry without over stocking of gaseous and liquid hydrogen, oxygen and nitrogen.

**Hydrogen** typical applications include...

- Refueling: Fuel cell Sites; stationary Power Plants.
- Cooling gas: Gas Turbines; power station Alternators.
- H2 top-up: Cell Towers; HFCV Dispenser Forecourts.

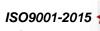
**Nitrogen** deliveries to companies handling cleaning, purging, drying, displacing, leak detection, hydro-testing, food and beverage packing, as well as inspection of piping and storage tanks.

**Oxygen** for personal / professional Health Therapies; sustaining of lives in Medical Hospitals; mined-ore metal extraction; metal & alloy purification; municipal water sanitation: water aeration of land-base fish farms.

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**Secure Supplies** Product/s Meet Customers Demands.

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Website

https://www.secure.supplies/gas-delivery





## **HYDROGEN** (H<sub>2</sub>)

Green H2 Fuel Cell Grade Pure 99.9999%

**H**<sup>2</sup> Racks, Cylinders & Pods

### NEEDS ANALYSIS & DESIGN DEVELOPMENT

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### **Racks**

#### Hydrogen High & Ultra Purity:

x9 or x15 Cylinders per rack 99.98% Hydrogen (*Grade 3.8*) -Commonly used as a *Carrier gas*, *Purge gas* or *Detector gas*.



### **Cylinders**

### Hydrogen Ultra High Purity :

Compressed Hydrogen gas is widely used in *Electric Fuel Cells* and *industry settings, available in* a wide range of Cylinder sizes.



### Pods

### **Hydrogen High Purity:**

Typical concept consists of 20-40 Cylinders.



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**Buy / Rent** 

Website https://www.secure.supplies/hydrogen-h2-delivery





### OXYGEN (O<sub>2</sub>)

Medical Oxygen Grade Pure 99.9999%

### Medical BREATHING 02

**NEEDS ANALYSIS** & **DESIGN DEVELOPMENT** 

- Reformer Design,
- Fueling Design,
- Fuel Storage and
- Heating System

- Safety System Design,
- Operation and Maintenance Planning.



2.9L Medical Breathing Oxygen Cylinder Cylinders 2.9L Size D CE, ISO13485

PLEASE GO TO FULL SPEC LINK ON BOTTOM OF PAGE



4.6L Medical Breathing Oxygen Cylinder

Cga540-Type (ME-size) CE. ISO13485

PLEASE GO TO FULL SPEC LINK ON BOTTOM OF PAGE



10.L Medical Breathing Oxygen Cylinder

1.5m3/10L Breathing Oxygen Cylinder CE, ISO13485

PLEASE GO TO FULL SPEC LINK ON BOTTOM OF PAGE

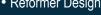


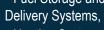
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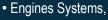




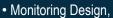


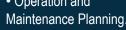












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Website

https://www.secure.supplies/cheap-gas-delivery-services





## OXYGEN (O<sub>2</sub>)

Medical Oxygen Grade Pure 99.9999%



OXY99

→ Medical *Therapy* Oxygen Cylinder

Oxy 99 Medical oxygen features a lightweight, high volume oxygen cylinder with an integrated control



**OXY99** 

Medical Therapy Oxygen Cylinder

Medical oxygen is widely used in every healthcare setting, with applications from anesthesia to inhalation therapy

#### NEEDS ANALYSIS & DESIGN DEVELOPMENT

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### BEDSIDE / TABLE TOP ON-DEMAND **©2 GENERATOR**





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Website

https://www.secure.supplies/medical-oxygen-gas



**NEEDS ANALYSIS** 

& **DESIGN** 

**DEVELOPMENT** 

· Reformer Design,

• Fueling Design,

 Fuel Storage and Delivery Systems,

Heating System

Safety System

Operation and

• Fuel Cell Systems, • Engines Systems,

• Monitoring Design,

Maintenance Planning.

Design,

Design,

## **Secure Gas Supply & Delivery**

(H<sub>2</sub>) (O<sub>2</sub>)





### MEDICAL HHO HYDROGEN & OXYGEN BREATHING

Secure Supplies has an Innovative Technology Hydrogen Inhaler, a machine that mixes Hydrogen and Oxygen together and releases HHO from one outlet.



Hydrogen Purity: 99.995%

- Adjustable Flow
- **TDS Sensor**
- Water-Shortage Alarm
  - Time Setting Mode



MASKS AVAILABLE !!!

PLEASE GO TO FULL SPEC LINK ON BOTTOM OF PAGE

**BREATHING** THERAPY **MACHINE** 

**HYDROGEN** 

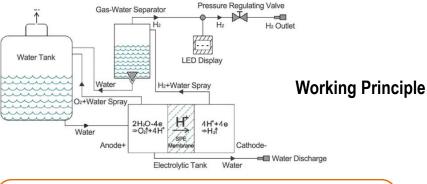
Pursing high quality and excellent performance is our

Our advantages are as the following: - We have very strong technical team of 150 staff.

- We have our own factory to design and produce according to
- We have strong team to manufacture and service
- We provide customized and complete solution We focus on long-term business cooperation with our client!
  - MASKS AVAILABLE !!!



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Website

https://www.secure.supplies/medical-hydrogen-oxygen-hho

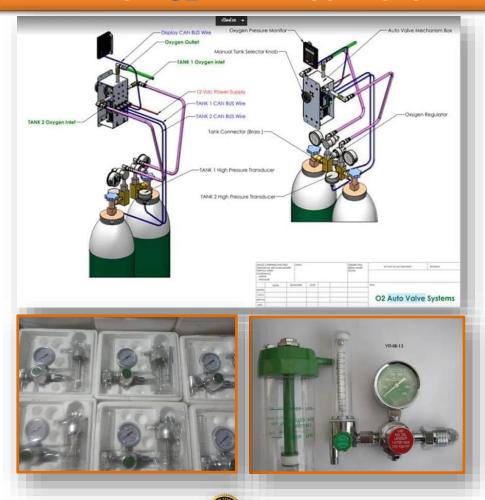




## OXYGEN (O<sub>2</sub>)

Rapid Oxygen Development Grade Pure 99.9999%

### MEDICAL **02 VALVE REGULATORS**



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**NEEDS ANALYSIS** & **DESIGN DEVELOPMENT** 

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- Operation and Maintenance Planning.

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https://www.secure.supplies/order-gas-bottles-o2-h2-n2-no2



**NEEDS ANALYSIS** 

&

**DESIGN** 

**DEVELOPMENT** 

• Reformer Design, Fueling Design, Fuel Storage and Delivery Systems, Heating System

• Fuel Cell Systems, Engines Systems, Safety System

• Monitoring Design, Operation and

Maintenance Planning.

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Design,

Design,

## **Secure Gas Supply & Delivery**



### OXYGEN (O<sub>2</sub>)

Rapid Oxygen Deployment – Factory Tanks

PURE **02** or **N**2 FACTORY CONTAINERS

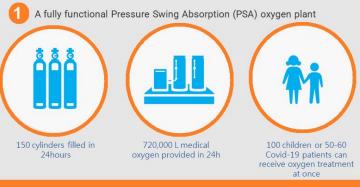
Secure Supplies can offer Pure Oxygen H2 or Pure Nitrogen N2 Containers Ideal for Medical Food or Industry use.

### **OXYGEN GAS Plant in a portable** box with battery back up.



**Buy / Rent** 





**Rapid Deployment by Secure Supplies** 



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https://www.secure.supplies/oxygen-fill-tank-container-portable





## OXYGEN (O<sub>2</sub>)

Rapid Oxygen Deployment - Factory Tanks

PURE **O2** or **N**2 FACTORY CONTAINERS

Secure Supplies can offer Pure Oxygen H2 or Pure Nitrogen N2 Containers Ideal for Medical Food or Industry use.

#### **OXYGEN GAS Rapid Roll out** by Secure Supplies





Containerized plants - are installed in a shipping container that can be set up

#### FILL RAILS can be Inside or Outside the Container





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**Secure Supplies** Product/s Meet Customers Demands.

### **NEEDS ANALYSIS** & **DESIGN DEVELOPMENT**

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Website

https://www.secure.supplies/oxygen-fill-tank-container-portable





### OXYGEN (O2)

### TECHNICAL 02 GAS DELIVERY

**USA United States of America** 

Oxygen as a GAS is slightly heavier than air, but will dispense fairly rapidly in a well ventilated area. It can remain for long periods in cavities, trenches, pits and vessels... A colourless, odourless and tasteless gas.



### Supplied in High-pressure Steel Cylinders.

- Oxygen Cylinder Minipak (Refill)
- Oxygen PCC 168 KG
- ❖ Laser Oxygen Gas







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**NEEDS ANALYSIS** & **DESIGN DEVELOPMENT** 

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Website

https://www.secure.supplies/oxygen-technical-gas-order



### **GAS CYLINDER RENTAL**

**USA United States of America** 

#### CYLINDER RENTAL PLAN OPTIONS:

#### Select A (Daily) - Your current rental plan

Container service charge is calculated on daily holdings, billed monthly in arrears.

✓ The best option for customers with continuous fluctuation in cylinder holdings.

#### Select B\* (Quarterly)

Container service is charged 3 months in advance for a fixed term. Receive a 2% saving on your container service charge.

√ The best option for customers with predictable cylinder holdings over the short term.

### Select C\* (Yearly)

Container service is charged 12 months in advance for a fixed term. Receive a 5% saving on your container service charge.

√The best option for customers with predictable cylinder holdings.

\*Savings are in reference to Select A, and are already deducted from your invoice

PLEASE GO TO LINK ON BOTTOM OF PAGE FOR <u>CYLINDER RENTAL PRICING</u> ON: Industrial Gas, Hospitality Gas, Medical Gas, LPG Gas, Refrigerant Gas

### ISO0004 204E

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NEEDS ANALYSIS & DESIGN DEVELOPMENT

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Website

https://www.secure.supplies/gas-cylinder-rental



### **GAS CYLINDER ORDER**

**USA United States of America** 

#### **FULFULLING ALL YOUR CYLINDER NEEDS**

Allow Secure Supplies to help keep Your Business up-andrunning with the GAS Cylinders You need, Ensuring Your Equipment, Efficient & Functional.



### Reliable Equipment that'll keep Your Business running...

- √ keep your welding business up and running,
- √ including gas cylinders ETC.

### **Secure Supplies** provide the following Cylinder Options:

- Acetylene cylinders
- Argon and Argon mix cylinders
- Carbon Dioxide cylinders
- Helium cylinders
- Nitrogen cylinders
- Oxygen cylinders, and Much More...



**NEEDS ANALYSIS** 

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Website https://www.secure.supplies/gas-cylinder-order



### **NEEDS ANALYSIS** & **DESIGN DEVELOPMENT**

- Reformer Design,
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## **Secure Gas Supply & Delivery**

### **GAS CYLINDER INFORMATION**



#### STORAGE & TRANSPORTAION

Secure Supplies Manufactures in accordance with relevant Specifications Approved by SAA Committee ME/2 gas cylinders.

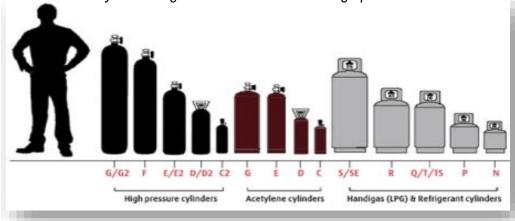
\*all have current test certificates \*



### **SIZE & IDENTIFICATION**

Secure Supplies Cylinder Sizes are denoted by a Letter Code. The GAS content of cylinders is measured in cubic meters, liters or kilograms. If volume unit is given, it refers to standard temperature and pressure of 15°C (101.3 kPa).

\*This illustration below is provided to give an approximate indication of cylinder heights in relation to the average person\*





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https://www.secure.supplies/gas-cylinder-information



**NEEDS ANALYSIS** 

& **DESIGN** 

**DEVELOPMENT** 

· Reformer Design, Fueling Design, Fuel Storage and Delivery Systems,

Heating System

Safety System

• Fuel Cell Systems, • Engines Systems,

• Monitoring Design, Operation and Maintenance Planning.

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Design,

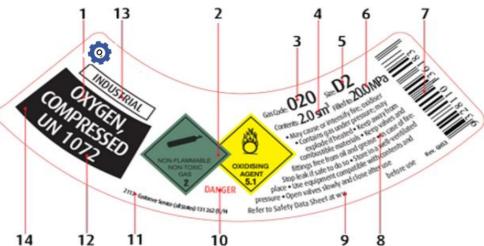
Design,

## **Secure Gas Supply & Delivery**

### **GAS CYLINDER INFORMATION**

### SHOULDER LABLES COMMON LAYOUT

supplier for replacement\*



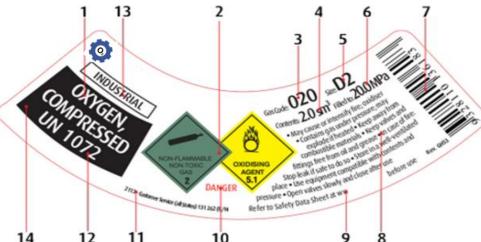




Secure Supplies GAS name Label, Stenciling or Component details should always be used to identify the contents of cylinders. Labels *must not* be removed or defaced.

\*Any cylinder without a GAS name Label should be returned to the





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Website

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### **GAS CYLINDER INFORMATION**

#### **NEEDS ANALYSIS** & **DESIGN DEVELOPMENT**

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### NUMBER DESCRIPTION

- Gas name (UN proper shipping name)
- 2 Dangerous goods classification
- Gas code
- Contents of cylinder at standard temperature and pressure (15°C @ 101.3 kPa)
- Cylinder size 5
- Fill Pressure
- 7 Material barcode
- GHS hazard and precaution statements
- 9 Safety Data Sheet location
- 10 GHS signal word
- 11 Customer Engagement Centre contact details
- **12** United Nations numbering system for safe handling, transport and storage
- 13 Gas grade
- 14 Please note: black background only applies to industrial oxygen
  - \* Always refer to Safety Data Sheets (SDS)



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Website

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### **NITROGEN (N2)**

Gaseous & Liquid Pure 99.9999%

### **LIQUID NITROGEN & NITROGEN GAS (N2)**

Supply forms: TANKS, DEWAR FLASKS, CONTAINERS & CYLINDERS

Nitrogen is inert to nearly all substances at ambient temperatures and moderate conditions.

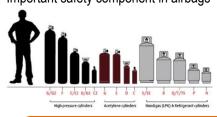
- > Prevent metal oxidation
- Inert safe pressurizing & purging gas
- Shields oxygen-sensitive materials
- Liquid N2 immersion freezing fastest freezing method known

#### Industrial Bakeries - Nitrogen Purity Compressed & Food Grade

- Freezing & Chilling
- Flour & Dough Cooling
- Modified Atmosphere Packaging
- Used in Meat Mixing

#### **Medical Laboratory**

- Minimally Invasive Cryotherapy
- Tissue Transport & Blood Platelet Preservation
- Power medical device
- Autoclave Inerting
- Heat treating furnaces
- Metal Fabrication
- Carrier & Purge gas in steel production
- Assist gas for Laser Cutting
- Automotive & Aerospace Welding
- Important safety component in airbags











NEEDS ANALYSIS & DESIGN DEVELOPMENT

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### NITROGEN (N2)

Gaseous & Liquid Pure 99.9999%

### N2 GENERATOR - Food Packing

The **Nitrogen Generator** for *Food Packing* -model no. SSFPM5-49 releases 5Nm3/h Nitrogen outflow with 99.99% Purity Grade.

### NEEDS ANALYSIS & DESIGN DEVELOPMENT

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## Technical parameter of the energy saving nitrogen generator

Model	
Nitrogen Purity	5Nm³/h
Nitrogen Purity	99.99%
Nitrogen	0.05-0.6Mpa
Pressure:	(adjustable)
Power	0.1kw
Working	0.75Mpa
pressure	
Compressed air	0.7Nm³/min
consumption	
Overall	800*860*1430mm
dimension:	
Inlet pipe	DN15
diameter:	
Inlet pipe	DN15
diameter:	
Net weight:	320kg
Gross Weight	



**Buy / Rent** 



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https://www.secure.supplies/nitrogen-machine-food-packing





### **NITROGEN (N2)**

Gaseous & Liquid Pure 99.9999%

### N<sub>2</sub> GENERATOR for Food Packing

### **Operational Principle**

The clean and dry compressed Air enters the *PSA Nitrogen Production Device*, and the Oxygen molecules in the compressed air are absorbed by the different adsorption amounts of Nitrogen, and Oxygen under different pressures, by using the *Carbon molecular sieve*, so as to obtain Nitrogen with a Purity greater than 99%...

The PSA equipment is *mainly composed* of A and B adsorption tower, and control system which are equipped with carbon molecular sieve. When compressed air (generally 0.75mpa) passes through tower A from bottom to top, *Oxygen, Carbon dioxide and Water* are absorbed by the carbon molecular sieve, while *Nitrogen flows out* from the tower top.

When the molecular sieve in tower A is saturated in adsorption, it will switch to tower B for the above adsorption process and regenerate the molecular sieve in tower A at the same time.

The so-called regeneration, is the adsorption tower gas discharged to the atmosphere so that the pressure quickly reduced to atmospheric pressure, so that the molecular sieve adsorption Oxygen, Carbon dioxide and Water released from the process.

Therefore, the performance of a PSA Nitrogen production device is determined by the adsorption structure, Carbon molecular sieve, Electromagnetic pneumatic valve and other key components.

### NEEDS ANALYSIS & DESIGN DEVELOPMENT

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https://www.secure.supplies/nitrogen-machine-food-packing

Website





H<sub>2</sub>

fueling

### NITROGEN (N2)

Gaseous & Liquid Pure 99.9999%

N<sub>2</sub> GENERATOR - Home Food Packing

The **Nitrogen Generator** for *Food Packing* at Home Consists of **high-efficiency compact liquid** for **multiple GC** 

### NEEDS ANALYSIS & DESIGN DEVELOPMENT

- Reformer Design,
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- Heating System Design,
- Fuel Cell Systems,
- Engines Systems,
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- Operation and Maintenance Planning.

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Secure Supplies Product/s Meet Customers Demands.

https://www.secure.supplies/nitrogen-machine-food-packing

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Website





### **NITROGEN (N2)**

Gaseous & Liquid Pure 99.9999%

### MINI N2 GENERATOR

Ideal for Home Food Packing

### **NEEDS ANALYSIS** & **DESIGN DEVELOPMENT**

- Reformer Design,
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- Fuel Storage and Delivery Systems,
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### Technical Parameter

### Mini N2

Technical Paramater		
Nitrogen Purity	99.999%	
Output Flow	0-1000ml/min	
Output Pressure	0-0.4Mpa	
Pressure Fluctuation	< 0.001MPa	
Power Supply	220V±10%, 110V±10%,	
Power Consumption	150W	
Work invironment	1-40°C Relative Humidity: <85%	
Dimension	460×350×350mm	
Net Weight	20kg	



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Website

https://www.secure.supplies/nitrogen-machine-food-packing