



One of the leading manufacture
for Industrial & Specialty Gases.
in your needs.



Hisham Bin Alawi Bin Ahmed Al Mousawi Factory
مصنع هشام بن علوي بن أحمد الموسوي

للفلزات الصناعية ومواد اللحام
For Industrial Gases & Welding Materials

- We Would like to introduce ourselves as one of the leading manufacture for all types of Industrial gases.
- We are Established in 2003 with offices ,Outlets & Factory at Dammam , Jubail and Ahsa
- Now we look foward to participate in your projects and request you to forward your inquiries for all type of Industrial gases such as Oxgen, Acetylene, Argon, Nitrogen, Hydrogen, Carbon dioxide, Helium, Mixture gases etc of different grades.
- We can serve you with all kinds of services connected to the cylinders such as Hydro test and any type of valve services.
- In this field our specialty is Fabrication of cylinder clusters.
- In addition to our core business we also have welding accessories, welding consumables, and safety equipments.
- Other than this we can meet any of your requirements within the shortest delivery time. We are having a good fleet for your convenience.
- We would like to request you to consider us as a vendor for supplying Industrial and specialty gases. Oxygen Services as well as welding consumables.
- Looking forward to an enduring business relationship with you.



أرامكو السعودية
saudi aramco



Vendor Code No. 10106775

Our Products are...

Compressed Oxygen - Industrial (O₂)

It is a colorless, Odorless, Tasteless and non flammable gas.
It readily supports combustion.

Major applications

It is used with fuel gases for metal cutting, hardening, welding and brazing.
To increase production efficiency in steel/iron industry and as a raw material in manufacture of various chemicals Production of synthesis gas.

Filling pressure : 2000 psig @ 21.1 deg.C
Cylinder Vale : CGA 540
Purity : >=99.5
Cylinder Color Code : Green



Acetylene - Industrial (C₂H₂)

Acetylene is a color less, flammable gas slightly lighter than air and has a distinctive garlic like odor. It burns in air with an Intensively hot, luminous and smoky flame. To safely transport and store it, it is dissolved in a liquid solution in cylinders containing high porosity, solid material.

Available in cylinders with approximate gas content of:
7.5 kg.
5 kg.
1 kg
0.5 kg

Major Applications

Oxyacetylene welding, cutting, heat treating etc.
Chemical synthesis of various organic chemicals.
Production of carbon black.

Cylinder Valve : CGA 510 / CGA 300/
CGA 520 / CGA 200
Purity : >=98.0%
Cylinder Color Code : Yellow



Compressed Argon - Industrial (Ar)

Argon belongs to the family of Inert gases and present in the air below 1%. It is colourless, odorless, tasteless and non toxic.

Major Applications

Providing Inert gas atmospheres in steel / metallurgical Industries.
As an inert gas shield in arc welding and cutting.
Blanketing medium in the production of rare metals.
in filling incandescent and Fluorescent lamps.

Filling Pressure : 2000 Psig @ 21.1 deg .C
Cylinder Valve : CGA 580 / CGA 960 Pin Index
Cylinder Color Code : Gray



Compressed Nitrogen - Industrial (N₂)

Nitrogen is a colourless, odorless, nontoxic and an almost totally inert gas also non-flammable, it will not support combustion

Major Applications

Heat treating of primary metals.
Blanketing of Oxygen - sensitive and volatile chemicals.
Degassing of nonferrous metals.
Purging and testing of pipelines and related instrument.
Food processing and packing

Filling Pressure : 2000 Psig @ 21.1 deg .C
Cylinder Valve : CGA 580 / CGA 960 Pin Index
Cylinder Color Code : Blue



Our Products are...

Carbon dioxide Industrial (CO₂)

Carbon dioxide, a gas at normal atmospheric temperature and pressure.

It is colorless, odorless and 1.5 times heavier than air.

It will not support

Combustion and Life, It can be in Solid(Dry ice), liquid and gas.

Major Applications

It is used as a cooling agent for heat sensitive material, cold treating of metals, shrink titting. Also used for water treatment to control PH. It is used for blanketing In metal welding, to make Argon + CO₂ mixture.



Compressed Hydrogen

Hydrogen is a colorless, odorless, tasteless, flammable and non toxic gas.

It is the lightest gas known with a density approximately 0.07% that of air.

Hydrogen burns in air with a pale blue almost invisible flame.

Major applications

It is used as raw material to produce various chemical products.

Used in gas chromatography as a detector fuel.

Used in manufacture of semi conductors.

Filling Pressure : 2000 psig@ 21.1 .deg.C

Purity : 99.999 %

Cylinder Valve : CGA 350

Cylinder Color Code : Base Red



Compressed Helium industrial (He)

Colourless,odorless,non-flammable,completely inert and extremely light gas

Major Applications

Leak detection, Balloon inflation

Used as heat transfer material

As a carrier gas in chromatography

As a coolant for MRI

Used in helium neon lasers

Filling Pressure : 2000 psig @ 21.1 deg C

Valve Type : CGA-580

Cylinder Color : Half Yellow Half Black



CMAX / HGX CUTTING GAS

Cmax provides a revolutionary new alternative cutting technology that will change the way metal is cut.

Cmax is a hydrocarbon based cutting solution that as compared to Acetylene.

Key Features

Good cutting speed.

Cuts metal of higher thickness effectivity.

Smooth cutting surface and reduction in slag formation.



Our Products are...

Clusters

Cylinder Clusters as a gas solution to avoid interruption in process which takes place due to frequent change of single cylinder at customer's end. High purity clusters are designed for Argon, Helium, Hydrogen, and Nitrogen gas consisting of 20,16,12,9,6 cylinders with common outlet pressure gauge which indicates the cluster pressure. Clusters are filled with pressure 2000 psi.

Clusters are also designed for industrial grade gases like Oxygen, Argon, Acetylene, Nitrogen, Hydrogen, Helium, CO₂ etc.



Welding Accessories



Tip Cleaner



Spark Lighter



Wire Brush



Cutting Attachment



Torch Handle



Welding Helmet



Hand Shield



Chipping Hammer



Cutting Tip & Welding Nozzle



Twin Hose



Flash Back Arrestor



Oxygen



Acetylene



Argon



Contact us

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