



LES GAZ INDUSTRIELS LTD.
UNE VALEUR SÛRE



Industrial Oxygen (O₂)

- A colourless, odourless and tasteless gas
- Supplied in high pressure steel cylinders
- Important for all combustion process
- For small and medium sized needs
- Gas and Liquid content

Applications:

Cutting, heating, welding with acetylene

Color Coding: Black

Purity: ≥99.5% , other purities are available on request

Hazards :



Cylinder Capacity*

M ³	CUFT
3.40	120
6.06	214
6.80	240
8.49	300
9.91	350
10.62	375

* other capacity are available on request

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Industrial Oxygen (O₂)



Product information

Cylinder Capacity		Cylinder Pressure @ 20°C (Bar)	Cylinder Height (mm)	Cylinder Diameter (mm)	Connection with Valve
M ³	CUFT				
3.40	120	140	1200	180	
6.06	214	140	1500	200	5/8" BSPF
6.80	240	140	1440	230	Right Hand
8.49	300	200	1440	230	Female
9.91	350	200	1440	230	
10.62	375	200	1500	230	

Chemical Properties

Molecular Weight	Specific Volume @ 20°C & 101.325 Kpa
32.00g/mol	755ml/g

Hazards

- All cylinders are portable gas containers, and must be regarded as pressure vessels at all times
- Oxygen is non-flammable, but readily supports combustion
- Never permit oil, grease or other readily combustible substance to come into contact with high concentrations of Oxygen

Uses and Features

- In combination with gas such as acetylene, hydrogen or LPG, it is used in welding, cutting, brazing, hardening, scarfing, flame cleaning and heating
- Used in the manufacture of steel, glass, ethylene oxide, methanol, acrolein, titanium dioxide, vinyl acetate and synthesis gas
- Can be considered for use in any chemical reaction where air is used to give faster reaction time and higher yields. A typical use would be in the treatment of refuse and effluent
- Ultra and high purity oxygen is used in laboratories, in process control operations and in metal analysis instruments and oxidation in semiconductor production

Handling and Storage

- Do not allow cylinders to slide or come into contact with sharp edges
- Cylinders of Oxygen should not be stored near cylinders of Acetylene or other combustible gases
- Oxygen cylinders may be stacked horizontally provided that they are firmly secured at each end to prevent rolling.
- Prevent dirt, grit of any sort, oil or any other lubricant from entering the cylinder valves, and store cylinders well clear of any corrosive influence, e.g. battery acid
- Use a "first in - first out" inventory system to prevent full cylinders from being stored for excessive periods of time
- Keep out of reach of children