

# OXYGEN O-5 FILLING

Product group: **713**      Product number: **905075**

In combination with Acetylene (C<sub>2</sub>H<sub>2</sub>), Oxygen (O<sub>2</sub>) is used for gas cutting and welding. Small cylinders allows to access difficult accessible spaces. Backpack is available.



## Product information

Oxygen O<sub>2</sub> supports combustion. Oxygen itself is non-flammable but it supports combustion. It can cause fire or explosion in combustible materials. Avoid that oxygen comes in contact grease, fat and oil. Never use oxygen as substitute for compressed air.

For oxygen the following is valid:

1 nm<sup>3</sup> = 1.311 kg  
1 kg = 0.763 nm<sup>3</sup>  
1 bar = 14.5 psi  
1 nm<sup>3</sup> = 35.3 ft<sup>3</sup>  
1 kg = 2.2 lbs

The gas capacity of a cylinder can be calculated in two different ways. The most simple method is the water capacity of the cylinder (in litres) multiplied by the actual pressure (in bar); the result is the capacity in litres. Although a simple method it is not the most accurate method. A better but much more complex method will give a more accurate value for the gas capacity; it will take the compressibility of the gas at both 1 bar and at the actual pressure in consideration and all based on 15 degrees C. The result is often quoted as normal litres or normal cubic metres (nm<sup>3</sup>). For oxygen the more accurate method will give a slightly higher value as compared to the simple method.

## Features

- Colourless, odourless and tasteless
- It is approximately 1.1 times heavier than air
- Oxygen itself is non-flammable, but it supports combustion
- It can cause fire or explosion in combustible materials

## Benefits

- For your safety, the product is delivered in a Unitor cylinder complete with barcode and unique cylinder serial number
- We trace and track all cylinders using the UniTrak system to give you peace of mind

## Specification

### General

Cylinder Type	O-5
Invent Hazard Material (IMO/EU) classification	C-21

### Dimensions/Weight

Diameter [mm]	140
Gross Weight [kg]	13
Height [mm]	620
Weight [kg]	1.3 Net

### Performance data

Gas Capacity [m <sup>3</sup> ]	1
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## Documents

[Understanding-Oxygen](#)

[SDoC and MD for IHM](#)

## Related products

### Accessories

<b>550160</b>	WASHER ALU 10 PCS FOR OX REGULATOR
<b>510000</b>	REGULATOR 510 OX PRESSURE 0-10 BAR
<b>176040</b>	BACK PORTABLE RACK

### Is frequently bought together with

<b>905174</b>	ARGON E-50 FILLING	<b>905026</b>	ACETYLENE A-40 FILLING
<b>905565</b>	ARGON E-10 FILLING		
<b>905034</b>	OXYGEN O-40 FILLING		
<b>905067</b>	ACETYLENE A-5 FILLING		

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### Physical properties

Colour	Marine blue
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### Technical data

Connection [inch]	W21.8mm x 1/14" RH Ext side
Filling pressure [bar]	200bar
Purity	2.5 > 99.5%
Volume (l)	5