



OXYGEN O-40 FILLING

Product group: **711** Product number: **905034**

In combination with Acetylene (C_2H_2), Oxygen (O_2) is used for gas cutting and welding.

Product information

Oxygen O_2 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 nm³ = 1.311 kg
1 kg = 0.763 nm³
1 bar = 14.5 psi
1 nm³ = 35.3 ft³
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 (nm³). For oxygen the more accurate method will give a slightly higher value as compared to the simple method (6.4 m³ versus 6 nm³).

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-40
Invent Hazard Material (IMO/EU) classification	C-21

Physical properties

Colour	Marine blue
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Dimensions/Weight

Diameter [mm]	230
Gross Weight [kg]	60
Height [mm]	1360
Weight [kg]	7.8 Net

Technical data

Connection [inch]	W21.8mm x 1/14" RH Ext side
Filling pressure [bar]	150
Purity	2.5 > 99.5%
Volume (l)	40

Performance data

Gas Capacity [m³]	6.4
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Documents

[Understanding-Oxygen](#)

[Supplier's declaration of Conformity \(SDoC\)](#)

Related products

Accessories

778145 TROLLEY A40/O40 F/GAS WELDING KIT
510000 REGULATOR 510 OX PRESSURE 0-10 BAR

550160 WASHER ALU 10 PCS FOR OX REGULATOR

Is frequently bought together with

571356 ROCOR NB LIQUID 25 LTR
905606 UNICOOL R-404A 45 KG REFRIGERANT
905026 ACETYLENE A-40 FILLING

765018 ENVIROCLEAN 25 LTR
698720 AUTOTREAT - 25 LTR

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