

7EOC and 7HP Cylinder Specifications

Primary uses

LEL Mixtures and flammable gas mixtures.

Equipment required

Model 713 or DFR 2000 regulator with a connection CGA 600.

Product variation

The 7HP version has the same dimensions but is filled to a higher service pressure (500 psig) and gas volume (34 liters).

Mixture tolerances:

All minor components are certified to ± 2%.

Warranty

All gases are warranted for twenty-four months.



Color	Beige or Red
Contents	17 Liters
Pressure	240 psig
Dimension	27.9 x 7.4 cm

Examples of mixtures available in the 7EOC and 7HP

Hydrocarbons in Air or Nitrogen (Butane, Ethane, Hexane, Isobutane, Methane, Propane, Toluene...)

Carbon Monoxide in Air or Nitrogen

Hydrogen in Air or Nitrogen

Oxygen in Nitrogen

Carbon Dioxide in Air or Nitrogen

3 Gas Mix such as:

Pentane and Oxygen in Nitrogen

Carbon Monoxide and Oxygen in Nitrogen

4 Gas Mix such as:

Carbon Monoxide, Pentane, Oxygen in Nitrogen

Common Mixtures 7EOC Cylinders

Pure Gases:

Nitrogen TC, Zero Air TC

Binary mixtures:

Carbon Dioxide 2% and 10% in N₂

Carbon Monoxide 20, 50, 100 ppm in Air
200 ppm in N₂

Hexane 400 ppm and 0.48% in Air

Hydrogen 2.0% in Air

Isobutylene 100 ppm in Air

Methane 100 ppm, 2.2% and 2.5% in Air

Oxygen 4.0% in Nitrogen

Pentane 0.75% in Air

Propane 1.0% in Air

Mixtures with 3 or more components

5% CO₂/20.6% O₂ in Nitrogen

7% CO₂/15% O₂ in Nitrogen

22.5% CO₂/50% O₂ in Nitrogen

35 ppm CO/0.14% Pentane/18% O₂ in N₂

100 ppm CO/2.5% CH₄/19% O₂ in N₂

200 ppm CO/2.5% CH₄/19% O₂ in N₂

2.5% CH₄/17% O₂ in Nitrogen

15% CH₄/15% CO₂ in Nitrogen

15% N₂/35% CO₂ in Methane

0.75% Pentane/15% O₂ in Nitrogen

Common Mixtures 7HP Cylinders

Pure Gases:

Helium UHP, Nitrogen, Air Zero

Binary mixtures:

Carbon Monoxide 20, 50, 60, 100 and 300 ppm in Air

Isobutylene 100 ppm in Air

Methane 1.0%, 2.0% and 2.5% in Air

Oxygen 20.8% in Nitrogen

Pentane 0.35% and 0.75% in Air

Propane 0.6% in Air

Mixtures with 3 or more components:

8% Butane/13.8% CO₂ in Nitrogen

50 ppm CO/1.62% CH₄/18% O₂ in N₂

100 ppm CO/2.5% CH₄/19% O₂ in N₂

0.75% Pentane/15% O₂ in Nitrogen