

Heliox



Heliox is the term used to describe mixtures of helium and oxygen. The mixtures listed are typically prescribed for patients with severe dyspnea or upper airway obstruction.

When combined with oxygen, helium reduces the density of the breathable mix. A 70/30 helium-oxygen mix is 2.3 times less dense than air and an 80/20 mixture is 3 times less. (See chart below)

Gas	Density (kg/m ³)	Viscosity (μP)
Air	1.20	183
100% Oxygen	1.33	204
Heliox 70/30	0.52	199
Heliox 80/20	0.40	198

Most frequently prescribed mixture concentrations are listed below. Custom mixtures available upon request.

20% Oxygen
Balance Helium

Part Number	Cyl	Grade	Nominal Contents	CGA	MSDS	Regulators
MM HEOX20-K	K	U.S.P.	255 cu ft	280	P-18-0010	CON305-9391-280
MM HEOX20LCQ-K	K	U.S.P.	255 cu ft	280	P-18-0010	CON305-9391-280
MM HEOX20-G	G	U.S.P.	42 cu ft	280	P-18-0010	CON305-9391-280

30% Oxygen
Balance Helium

Part Number	Cyl	Grade	Nominal Contents	CGA	MSDS	Regulators
MM HEOX30-K	K	U.S.P.	255 cu ft	280	P-18-0014	CON305-9392-280

30% Oxygen
Balance Helium

Part Number	Cyl	Grade	Nominal Contents	CGA	MSDS	Regulators
MM HEOX30-AEGNG	AE	U.S.P.	25 cu ft	NR	P-18-0014	Regulator included

High-Pressure Cylinders

