



Helium U.S.P.

Chemical Formula: He

Medical Applications: As a component of breathing mixtures to reduce the density of mixtures and thus facilitate breathing under certain physical and physiological conditions.

See Pure Gas Section For Transport Information (C29)

Cylinder Shoulder Color Code



Brown
Brown



DK Brown
DK Brown



Brown

DIN: 02014475

Part Number	Specification	Cylinder Style/ CGA Connection	Content (ft ³ /m ³)	Pressure (psig/bar)	Regulator Recommendation
HE M-K	He: ≥ 99.0%	K/580	218/6.17	2200/152	200 Series (F17-F19)
HE M-E	CO < 10 ppm	ME/930	22/0.62	2000/138	300 Series (F11-F13)
HE M-D	Air ≤ 1.0% Odor: None	MD/930	13/0.37	2000/138	

See page C65 for cryogenic liquid helium, used for MRI applications.

Nitrogen N.F.

Chemical Formula: N₂

Medical Applications: As a component in many gas mixtures; as a displacement medium for sterile equipment; as a nonoxidizing displacement medium in pharmaceutical vials; as a propellant in pressurized aerosol type dispensers; as a coolant for carbon dioxide surgical lasers; and a source of pneumatic pressure to power gas operated medical devices.

See Pure Gas Section For Transport Information (C44)

Cylinder Shoulder Color Code



Black
Black



Black
Black
DIN: 02014494



Black

Part Number	Specification	Cylinder Style/ CGA Connection	Content (ft ³ /m ³)	Pressure (psig/bar)	Regulator Recommendation
NI M-T	N ₂ : 99.0% minimum	T/580	304/8.61	2640/182	109 Series (F20)
NI M-K	CO 10 ppm	K/580	228/6.46	2200/152	
NI M-E	O ₂ 1.0%	ME/960	23/0.65	2000/138	
NI M-D	Odor: None	MD/960	14/0.40	2000/138	

Higher grades available as well.

Cryogenic: Refrigerated Liquid

NI M-LC160	160/Gas-580 Liquid-295		3690/102	230/16	206 Series (F21)
NI M-LC180	180L/Gas-580 Liquid-295		4110/114	230/16	