



Helium 6.0



Purity, %: ≥ 99.9999

Impurities, ppm:	O ₂	$\leq 0,5$
	N ₂	$\leq 0,5$
	H ₂ O	$\leq 0,5$
	HC	$\leq 0,1$
	CO	$\leq 0,1$
	H ₂	$\leq 0,5$
	CO ₂	$\leq 0,1$

Specified data are ideal volume shares (=mole shares)

Type of supply: Steel cylinder

Capacity, [Liter]	Cylinder contents, [m ³]	Filling pressure, approx. [bar]	Gross weight approx. [kg]	Outer diameter approx. [mm]	Cylinder length approx. [mm]
2	0.365	200	5	100	490
8	1.00	140	13	180	460
10	1.83	200	20	140	975
16	2.00	140	20	180	810
50	9.13	200	80	229	1655
50	13.2	300	98	229	1750

Cylinder bundle

Capacity, [Liter]	Cylinder contents, [m ³]	Filling pressure, approx. [bar]	number of cylinder in bundle	Gross weight approx. [kg]	Dimension approx. (L x W x H) [mm]
600	110	200	12	1250	1900x980x770

Additional delivery types on demand.

Supply notice: Cylinders 8 Liter and 16 Liter with CGA580 valve connection.
The specification corresponds to the global Linde product HIQ® Helium 6.0.

Conversion factors:	m³ gas (15°C, 1 bar)	l liquid at T_b	kg
	1	1.336	0.167
	0.7485	1	0.125
	5.988	8	1

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Identification:	Cylinder shoulder colour/ Circular colour strip at bundles	Brown RAL 8008
	Label:	Helium 6.0
	Valve outlet:	W 21.80 x 1/14, DIN 477 No. 6

Properties: compressed gas, suffocating, chemically inert

Chemical symbol:	He
Molar mass:	4.0026 g/mol

Tripel point:

Temperature	Pressure	Heat of fusion
2.18 K (°C)	1.013 bar	3.5 kJ/kg
Relative density based on dry air (15°C, 1 bar):		0.138
Critical temperature:		5.21 K (-267.94 °C)
Boiling point at 1.013 bar (T _b):		4.22 K (-268.93 °C)

Applications: process and carrier gas for analysis; purging and carrier gas in electronic industry

Also available: Helium 4.6
Helium 5.0
Helium 5.3
Helium 5.5 ECD
Helium 7.0
Helium flüssig im Container
Helium flüssig im CRYO-Behälter

Mixtures with other gases in defined compositions.

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