

Nitrogen

Description

Formula: N_2

Gas Data

Molecular Weight: 28.01

Density: 1.153 kg/m³ @ 21.1°C, 101.325 kPa
0.07199 lb/ft³ @ 70°F, 14.696 psia

Specific Volume: 0.8673 m³/kg @ 21.1°C, 101.325 kPa
13.89 ft³/lb @ 70°F, 14.696 psia

Shipping Information

CAS Registry Number: 7727-37-9

UN Number: UN 1066

ECCN Number: EAR99

DOT Proper Shipping Name: Nitrogen, Compressed

DOT Classification: 2.2 (Nonflammable Gas)

DOT Label: NON-FLAMMABLE GAS

TC Shipping Name: Nitrogen, Compressed

TC Classification: 2.2

TC Label: NON-FLAMMABLE GAS,
NON-POISONOUS GAS

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
300	336 ft ³	8.83 m ³	580
200	249 ft ³	6.54 m ³	580
150	144 ft ³	3.78 m ³	580
125	125 ft ³	3.29 m ³	580
80	92 ft ³	2.42 m ³	580
60	60 ft ³	1.58 m ³	580
40	40 ft ³	1.05 m ³	580
20	20 ft ³	0.53 m ³	580

Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk.

We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.

Nitrogen *(continued)*

Liquid Containers

Liters	Base Type	Content		Relief Valve Setting
		US	Metric	
160	Footring Base	3,600 ft ³	95 m ³	230 psi
160	Footring Base	3,400 ft ³	90 m ³	350 psi
180	Footring Base	4,000 ft ³	105 m ³	230 psi
180	Footring Base	3,800 ft ³	100 m ³	350 psi
200	Footring Base	4,300 ft ³	115 m ³	230 psi
200	Footring Base	4,000 ft ³	105 m ³	350 psi
230	Caster Base	5,000 ft ³	130 m ³	230 psi
230	Caster Base	4,700 ft ³	120 m ³	230 psi
265	Caster Base	5,700 ft ³	150 m ³	230 psi
265	Caster Base	5,400 ft ³	140 m ³	350 psi
80	Footring Base	1,600 ft ³	40 m ³	350 psi
180	Footring Base	3,800 ft ³	100 m ³	350 psi
200	Footring Base	3,500 ft ³	90 m ³	500 psi
450	Footring Base	7,900 ft ³	205 m ³	500 psi
450	Pallet Base	8,800 ft ³	230 m ³	350 psi
600	Pallet Base	14,700 ft ³	385 m ³	350 psi
800	Pallet Base	19,000 ft ³	515 m ³	350 psi
1,000	Pallet Base	23,000 ft ³	610 m ³	350 psi

Note: Caster base liquids can be purchased with round base or square base