Nitrogen (N₂)



Purities

Туре	Nitrogen 3.0	Nitrogen 4.0	Nitrogen 5.0	Nitrogen 6.0
Purity (%)	1.7	4.3	≥ 99.999%	11.3
Impurities (ppm)	16.0	38.3	O2 ≤ 3ppm H2O ≤ 5ppm	73.9

Packaging

D	E	G	G EHP	6 pack#	12 pack#
1.7	4.3	9.5	11.3	80.0	161.0
16.0	38.3	70.5	73.9	607.9	1250.0
14	33	60	60	515	995
17 600	20 000	20 000	25 000	30 000	30 000
	1.7 16.0 14	1.7 4.3 16.0 38.3 14 33	1.7 4.3 9.5 16.0 38.3 70.5 14 33 60	1.7 4.3 9.5 11.3 16.0 38.3 70.5 73.9 14 33 60 60	1.7 4.3 9.5 11.3 80.0 16.0 38.3 70.5 73.9 607.9 14 33 60 60 515

^{*}Approximate values only. Weights vary from cylinder to cylinder and depend on the product in the cylinder and fill pressure.

Conversion Factors

m³ of gas (15°C, 1 bar)	Litre liquid (boiling point, 1 bar)	kg
1	1.447	1.170
0.691	1	0.809
0.855	1.237	1

Cylinder/Bundle Colour

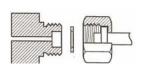
Pewter



Valve Outlet



Type 50 valve (For pressures below 200 bar)



Type 51 valve (For pressures above 200 bar)

Properties

Characteristics	Colourless, odourless, inert
Molecular weight (mass)	28.013 g/mol
Critical temperature	126.20K (-146.95°C)
Boiling point at 1 013 bar	77.35K (-195.8°C)
Density of gas in relation to air (specific gravity, air =1)	0.967

Related Products

Compressed gas	Nitrogen Food Grade, Nitrogen Pharma Grade
Cryogenic	Nitrogen 3.0, Nitrogen 5.0

^{*} Packs are equipped with a Type 50 reductive valve and Type 51 valve for full pack pressure.

Recommended Equipment

Model	Туре	Material
FM51	Single stage cylinder regulator	_
FM52	Compensated dual stage effect cylinder regulator	_
FM53	Dual stage cylinder regulator	-
BM55-1	Wall mounted regulator with purge for 1 cylinder/pack	Chrome plated brass
BM55-2	Manual change over wall mounted regulator with purge for 2 cylinders/packs	with Hasteloy diaphragm
BM55-2U	Semi-auto changeover wall mounted regulator with purge for 2 cylinders/packs	-
EM55-1	Wall mounted line regulator	- -



FM51 – Single stage cylinder regulator



FM52 – Compensated dual stage effect cylinder regulator

Hazards

Physical	Compressed gas may explode if cylinder is heated	
Health	Asphyxiant in high concentrations	
Environmental	Not applicable	

Transport Safety Data

UN number	1066
Transport hazard class	2.2

Safety

Cylinder storage and handling

Store cylinders in upright position and properly secure to prevent falling over.

Keep cylinders in a well ventilated area below 50°C, away from sources of heat and combustible materials.

Check if cylinders are clearly labelled.

Protect cylinders, particularly the valve, against physical damage whether full or empty. Close valves on empty cylinders.

Leaking cylinders

Move to a well ventilated area.

Stop leak if possible to do so. If leak cannot be stopped, move cylinder to a safe area and allow to empty.

Wear self-contained breathing apparatus when entering area unless atmosphere is proven to be safe.

Precautions in use

Never allow oil or grease on cylinder or valve.

Close cylinder valve when not in use.

Always use regulator to connect to the system.

Secure cylinders to prevent falling over.

Open cylinder valve slowly.

Use only in a well ventilated area.

Additional information

The information in this publication is intended to give basic guidance for the safe handling and use of gases.

For more information, please refer to the Safety Data Sheets (SDS) at coregas.com.au

