

# Nitrogen



## Description

Nitrogen is a non-flammable gas which does not support combustion. It is colourless, odourless and non-toxic; it is almost a totally inert gas (containing approx 79% volume of air).

## Applications

- Purging and pipeline testing
- Tyre inflation
- Inert atmospheres
- Food packaging and wine making
- Gauge calibration
- Metal degassing
- Aerosol propellant
- Hydraulic systems and air tools
- Photo processing
- Plastic forming
- Fire fighting

## Hazard statement(s)

- Contains gas under pressure; may explode if heated.

## Prevention statement(s)

- None allocated.

## Response statement(s)

- None allocated.

## Storage statement(s)

- Protect from sunlight. Store in a well-ventilated place.

## Other hazards

- Asphyxiant. Effects are proportional to oxygen displacement.

Signal Word: Warning

UN No.: 1066

Hazard No.: 2(T)

Chem Symbol: N<sub>2</sub>

Pictograms:



# Nitrogen

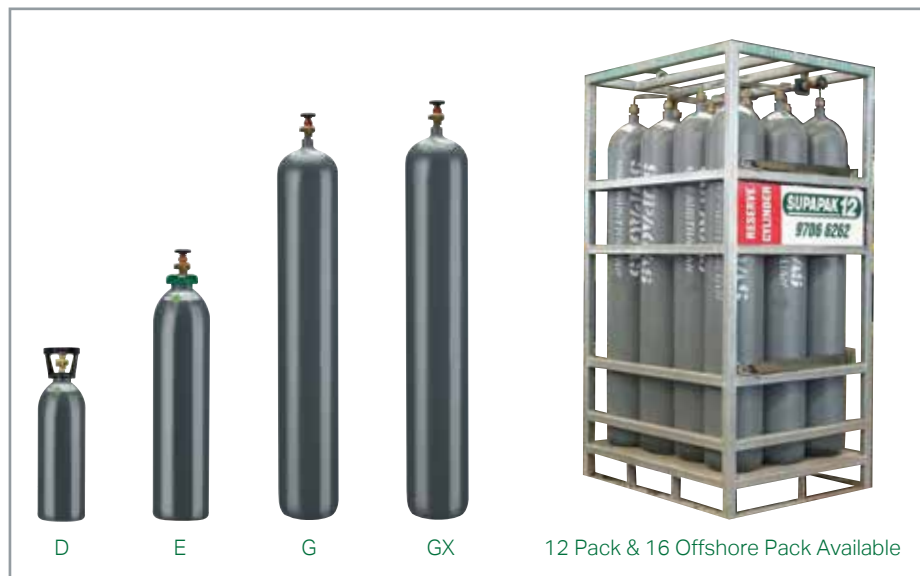


## General Specifications

Specifications	D Cylinder	E Cylinder	G Cylinder	GX Cylinder	12 Pack	16 Pack Offshore
Cylinder/Pack (101.325kPa @15°C) - L	1.5	3.5	9.1	12.8	153.0	208.0
Water capacity per cylinder - L	10	23	50	50	600	800
Cylinder Colour	Pewter					
Outlet Connection	Type 50		Type 51		Type 50/51	
Package Dimensions (H x W x D) - mm	645 x 180	780 x 230	1,580 x 230	1,630 x 230	1,900 x 1,020 x 780	2155 x 1065 x 1065

Cylinder dimensions are approximate – variations may occur due to manufacturing tolerances. Height includes the valve. Container sizes may vary from state to state.

## Package Sizes Available



## Typical Analysis

Product Type	N <sub>2</sub>	O <sub>2</sub>	Moisture	CxHy
UHP Grade	>99.999%	<2ppm	<3ppm	<0.5ppm
HP Grade	>99.995%	<10ppm	<10ppm	-
Food Grade	>99.995%	<10ppm	<10ppm	-
Industrial Grade	>99.9%	<750ppm	-	-

## Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2015 and to continually improve the effectiveness of our Quality Management System.

Everyone at Supagas understands we must provide a safe environment for both our employees and the wider community. We are therefore committed to implement and maintain a continual improvement approach throughout the organisation whilst also meeting all applicable statutory and regulatory requirements.

## NATA Accreditation

The Supagas Laboratory located in Ingleburn, NSW has a NATA Accreditation (No. 18955). Accredited for compliance with ISO/IEC 17025 and ISO Guide 34, Reference Gas Mixtures prepared to ISO 6142.



## For Further Information

On how we can help you with all your gas and welding needs, drop in to your local Supagas branch or call Customer Service on 13 78 72.