

# NITROGEN N28 / N<sub>2</sub>



# PAUWELS

gassen, lassen & gereedschappen

Air Liquide's Gas Encyclopedia - Pages: 1019 - 1052

## Applications

Protective atmosphere (heat treatment)  
Inerting agent  
Pressurizing agent  
Cryogenic storage

## Transport information

### Compressed gases

Shipping Type Nitrogen, compressed  
UN-Nr 1066  
ADR/RID Class 2  
Classification code 1A



## Physical information

Molecular weight 28 g/mol  
Relative density:  
Relative density, gas 0.97 (air=1)  
Colour Colorless  
Odor Odorless  
CAS number 7727-37-9

## Properties

**Hazards identification:** Contains gas under pressure; may explode under the effect of heat. Asphyxiant in high concentrations.

**Personal protection:** When handling the product, ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



## Cylinder equipment

Valve fittings  
Cylinder: B4 - IS 21.7 x 1.814 right-hand, male  
Bundle: WW 1" 1/8 right-hand, male  
Shoulder colour: Black (RAL 9005)



## Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
N <sub>2</sub>						
≥ 99,999 %	H <sub>2</sub> O (5 bar) ≤ 5	Cylinder	S10	200 bar	2 m <sup>3</sup>	I4015S10R2A001
	O <sub>2</sub> ≤ 3	Cylinder	M20	200 bar	4 m <sup>3</sup>	I4015M20R2A001
	H <sub>2</sub> ≤ 1	Cylinder	L50	200 bar	10 m <sup>3</sup>	I4015L50R2A001
		Bundle	V09	200 bar	90 m <sup>3</sup>	I4015V09R2A001
		Bundle	V24	200 bar	240 m <sup>3</sup>	I4015V24R2A001
		Bundle	H27	200 bar	270 m <sup>3</sup>	I4015H27R2A001