



# N<sub>2</sub>

## Nitrogen / Pure Nitrogen / Laser Nitrogen

Inert and active monogas used as a process gas and / or shielding gas for cutting, welding and generally in many industrial applications. The different degrees of purity and the variety of supply conditions allow to identify the most suitable product, depending on the material, on the process, on the method and on the required quality.



### Physical state

Compressed gas in cylinders or bundles at 200 bar, 15 °C

### Property

Colorless and odorless, inert gas.

### Safety informations

Contains gas under pressure, may explode if heated.

Store in a well-ventilated place.

### Environmental impact

Do not drain where the accumulation can be dangerous. It can be vented to atmosphere in a well ventilated area.

### Reference Standards

Gas: EN ISO 14175

Valve: UNI 11144

### Applications

		COMFORT LINE	PREMIUM LINE	
		≥ 99,95	≥ 99,99	≥ 99,996
		Nitrogen	Pure Nitrogen	Laser Nitrogen
Oxyfuel processes	OXYFUEL CUTTING			
	BRAZING			
Gas Metal Arc Welding	SOLID WIRE			
	CORED WIRE			
Gas Tungsten Arc Welding	GTAW			
	BACK SHIELDING	●	●	●
Plasma Arc Welding	PLASMA GAS			
	SHIELDING GAS			
Plasma Arc Cutting	PLASMA GAS	●		
	SHIELDING GAS	●	●	●
Laser welding	LASER GAS			
	SHIELDING GAS			
Laser cutting	LASER GAS			
	SHIELDING GAS	●	●	●

### Cylinder specifications

**Ogive**  
Black RAL 9005

**Body**  
Gray RAL 7015

**Valve**  
Gruppo V

**Outlet connection**  
W 21,7 x 1/14" femmina dx

**Label**  
Inert gases



### Proper shipping name

COMPRESSED NITROGEN  
UN-No. 1066  
ADR Class 2.2  
ADR/RID 2 A



**Safety  
datasheet**

[www.sol.it/it/safety-datasheets](http://www.sol.it/it/safety-datasheets)

A complete line of technical gases for the best performances  
in welding and cutting



COMFORT LINE

PREMIUM LINE

## Nitrogen / Pure Nitrogen / Laser Nitrogen

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Nitrogen	Cylinder	mc	200	ISO 14175 – N1	00002
Nitrogen	Bundle	mc	200	ISO 14175 – N1	00059
Nitrogen	Tube trailer	mc	200	ISO 14175 – N1	00060
Pure Nitrogen	Cylinder	mc	200	ISO 14175 – N1	00064
Pure Nitrogen	Bundle	mc	200	ISO 14175 – N1	00065
Laser Nitrogen	Cylinder	mc	300	ISO 14175 – N1	00370
Laser Nitrogen	Bundle	mc	200	ISO 14175 – N1	00371
Laser Nitrogen	Tube trailer	mc	200	ISO 14175 – N1	00061

### SOL technical gases production for cutting and welding in METAL FABRICATION



SOL has always been dedicated to its customers needs, making a continuous field test in order to offer a wide range of gases and gas mixtures, suitable for all needs and all applications.

To satisfy its customers, SOL endorses their needs, our products are aimed at improving the quality of welding and cutting, reducing process costs and ensuring an optimal working environment for professionals that are involved in the process.

The branches of the Group, together with the network of wholesalers and distributors ensures a dense territorial coverage, able to provide products and services wherever the customers may need it, ensuring the highest competence and professionalism of specialized operators.

The Enermix line of gases and gas mixtures dedicated to METAL FABRICATION, is formulated for the main technological applications for cutting and welding.

#### Sol spa

Via Borgazzi, 27  
20900 Monza · Italy  
t +39 039 2396.1  
dico@sol.it  
[www.sol.it](http://www.sol.it)

**SOLGROUP**  
a breath of life