



# Enermix H3lium

PREMIUM LINE



Inert gas mixtures for GTAW welding of nonferrous materials and alloyed or non-alloyed carbon steel. In GMAW are used for Al, Cu and Ni alloys. They are also recommended for welding Al, Ni and their alloys. Suitable for arc brazing of coated and uncoated steel.



**Features:**

- ideal on thin thicknesses;
- high welding speed;
- good penetration and easy arc initiation;
- reduction of the porosity and ozone effect.

**Physical state**

Compressed gases mixture in cylinders or bundles at 200 bar, 15 °C.

**Property**

Colorless, odorless, non-flammable gas.

**Safety informations**

Contains gas under pressure, may explode if heated.  
Store in a well-ventilated place.

**Environmental impact**

Prevent from entering sewers, basements, excavations and areas where accumulation can be dangerous.

**Reference Standards**

Gas: EN ISO 14175  
Valve: UNI 11144

**Applications**

		3a	3b	3c	3d	3e	3g	3h
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							

**Cylinder specifications**

**Ogive**  
Bright Green RAL 6018

**Body**  
Aluminum RAL 9006

**Valve**  
VIII Group

**Outlet connection**  
W 24,51 x 1/14" female rh

**Label**  
Inert gases

**Proper shipping name**

COMPRESSED GAS N.O.S. (Argon, Helium)  
UN-No. 1956  
ADR Class 2.2  
ADR/RID 1 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



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## Enermix H3lium

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix 3a	Cylinder	mc	200	ISO 14175 – I3	00620
Enermix 3a	Bundle	mc	200	ISO 14175 – I3	00621
Enermix 3b	Cylinder	mc	200	ISO 14175 – I3	00622
Enermix 3b	Bundle	mc	200	ISO 14175 – I3	00623
Enermix 3c	Cylinder	mc	200	ISO 14175 – I3	00624
Enermix 3c	Bundle	mc	200	ISO 14175 – I3	00625
Enermix 3d	Cylinder	mc	200	ISO 14175 – I3	00626
Enermix 3d	Bundle	mc	200	ISO 14175 – I3	00627
Enermix 3e	Cylinder	mc	200	ISO 14175 – I3	00614
Enermix 3e	Bundle	mc	200	ISO 14175 – I3	00615
Enermix 3g	Cylinder	mc	200	ISO 14175 – I3	00610
Enermix 3h	Cylinder	mc	200	ISO 14175 – I3	00608

### 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.

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**SOLGROUP**  
a breath of life