



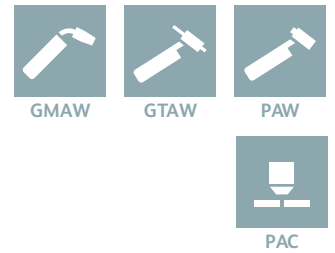
Enermix Hydro

PREMIUM LINE



Gas mixtures for manual and automatic GTAW of austenitic stainless steel, nickel and nickel-based alloys. Also suitable as protective gases for the plasma welding and cutting of high-alloy stainless steel. Features:

- Improved welding speed compared to pure Ar;
 - Improved penetration compared to pure Ar;
 - Improved bead appearance (reduction of oxidation) compared to pure Ar.
- The characteristics are substantially improved by the tenor of Hydrogen.



Physical state

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

Property

Colorless, odorless and flammable gas.

Safety informations

Highly flammable gas. It may explode when heated.
Keep away from heat sources, sparks, flames, heated surfaces.
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

		H5	H7	H10	H15	H20	H25	H35
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

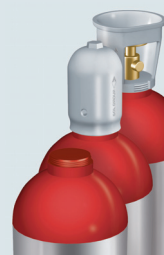
Ogive
Red RAL 3000

Body
Aluminum RAL 9006

Valve
I Group

Outlet connection
W 20 x 1/14" m lh

Label
Flammable gases



Proper shipping name

FLAMMABLE COMPRESSED GAS, N.O.S.
(Hydrogen, Argon)
UN-No. 1954
ADR Class 2.1
ADR/RID 1 F



**Safety
datasheet**

www.sol.it/it/safety-datasheets



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



PREMIUM LINE

Enermix Hydro

Product	Container	Unit of measure	Pressure bar	EN ISO 14177 Classification	Code
Enermix H5	Cylinder	mc	200	ISO 14175 – R1	00155
Enermix H5	Bundle	mc	200	ISO 14175 – R1	00159
Enermix H7	Cylinder	mc	200	ISO 14175 – R1	00156
Enermix H7	Bundle	mc	200	ISO 14175 – R1	00175
Enermix H10	Cylinder	mc	200	ISO 14175 – R1	00263
Enermix H10	Bundle	mc	200	ISO 14175 – R1	00266
Enermix H15	Cylinder	mc	200	ISO 14175 – R1	00157
Enermix H15	Bundle	mc	200	ISO 14175 – R1	00176
Enermix H20	Cylinder	mc	200	ISO 14175 – R2	00158
Enermix H25	Cylinder	mc	200	ISO 14175 – R2	00167
Enermix H35	Cylinder	mc	200	ISO 14175 – R2	00268
Enermix H35	Bundle	mc	200	ISO 14175 – R2	00269

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



Enermix Hydro

PREMIUM LINE

Enermix Hydro H2 / H.5 / H3

CO2	O2	N2	He	H2	Ar
				•	•

Enermix Hydro H1C

CO2	O2	N2	He	H2	Ar
•				•	•

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 - Improved penetration compared to pure Ar;
 - Improved bead appearance (reduction of oxidation) compared to pure Ar;
- The characteristics are substantially improved by the tenor of Hydrogen.



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

		H2	H2.5	H3	H1C
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, Hydrogen)	
UN-No.	1956
ADR Class	2.2
ADR/RID	1 A



Safety
datasheet

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in welding and cutting



PREMIUM LINE

Enermix Hydro

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix H2	Cylinder	mc	200	ISO 14175 – R1	00260
Enermix H2	Bundle	mc	200	ISO 14175 – R1	00261
Enermix H2.5	Cylinder	mc	200	ISO 14175 – R1	00264
Enermix H3	Cylinder	mc	200	ISO 14175 – R1	00267
#RIFI	Bundle	mc	200	ISO 14175 – M11	00644

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