



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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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
•				•	•

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



PREMIUM LINE

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

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Enermix E

PREMIUM LINE

CO ₂	O ₂	N ₂	He	H ₂	Ar
		•	•		

Gas mixtures for leak test usage. Particularly suitable in refrigeration and air conditioning systems, help you locate, and then repair, leaks in the circuits.

The presence of helium, thanks to the small size of its molecules, allows a better detection of microcracks for a more accurate verification, in line with current regulations and Best Practice.

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



Cylinder specifications

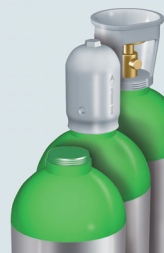
Ogive
Bright Green RAL 6018

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. (Nitrogen, Helium)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



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PREMIUM LINE

Enermix E

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix E10	Cylinder	mc	200	ISO 14175 – Z	06692
Enermix E10	Cylinder	mc	200	ISO 14175 – Z	00693
Enermix E25	Cylinder	mc	200	ISO 14175 – Z	00694
Enermix E25	Cylinder	mc	200	ISO 14175 – Z	00695

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Enermix NitroHydro

PREMIUM LINE



Gas mixture for back shielding in the welding of austenitic stainless steels. By insulating the molten bath by atmospheric gases, avoids tempering coloration effect. The NitroHydro mixtures are particularly suitable for orbital welding applications in pipes and tanks production.



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

Do not discharge into areas where there is the risk of forming an explosive mixture with air. The gas should be disposed in a suitable burner with anti-flashback device. Do not drain where the accumulation can be dangerous

Reference Standards

Gas: EN ISO 14175
Valve: UNI 11144

Applications

		NH5	NH7	NH10	NH20	NH25	NH50
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

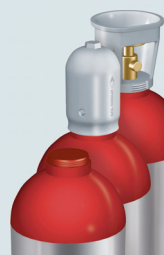
Ogive
Red RAL 3000

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, Nitrogen)
UN-No. 1954
ADR Class 2.1
ADR/RID 1 F



**Safety
datasheet**

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A complete line of technical gases for the best performances
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PREMIUM LINE

Enermix NitroHydro

Product	Container	Unit of measure	Pressure bar	EN ISO 14177 Classification	Code
Enermix NH5	Cylinder	mc	200	ISO 14175 – N5	00241
Enermix NH5	Bundle	mc	200	ISO 14175 – N5	00242
Enermix NH7	Cylinder	mc	200	ISO 14175 – N5	00295
Enermix NH7	Bundle	mc	200	ISO 14175 – N5	00294
Enermix NH10	Cylinder	mc	200	ISO 14175 – N5	00239
Enermix NH10	Bundle	mc	200	ISO 14175 – N5	00240
Enermix NH20	Cylinder	mc	200	ISO 14175 – N5	00221
Enermix NH20	Bundle	mc	200	ISO 14175 – N5	00229
Enermix NH25	Cylinder	mc	200	ISO 14175 – N5	00335
Enermix NH50	Cylinder	mc	200	ISO 14175 – N5	00233
Enermix NH50	Bundle	mc	200	ISO 14175 – N5	00234

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Enermix BackShield

COMFORT LINE



Mixtures for the GTAW of duplex and super-duplex steel. Insulating the molten bath by atmospheric gases, avoids the effect of tempering coloration.

Also used for back shielding in the welding of austenitic stainless steel that is not titanium stabilized. The use of Enermix BackShield mixtures significantly improves the corrosion resistance.



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

		BS2	BS5
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

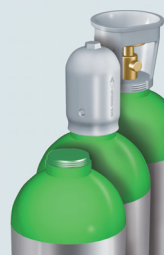
Ogive
Bright Green RAL 6018

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, Nitrogen)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



**Safety
datasheet**

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



COMFORT LINE

Enermix BackShield

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix BS2	Cylinder	mc	200	ISO 14175 – N2	00628
Enermix BS2	Bundle	mc	200	ISO 14175 – N2	00629
Enermix BS5	Cylinder	mc	200	ISO 14175 – N2	00630

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Enermix O₂ygen

COMFORT LINE



Shielding gas mixtures for the GMAW of stainless steel, preferably for thin sheets.

Compared with Ar/CO₂ mixtures, the spray arc can be achieved using less current. Features:

- good arc stability and welding speed;
- absence of spatter and smooth weld bead;
- decreases the risk of undercuts;
- reduction of fume generation.



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

		OX1	OX2	OX3	OX5
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

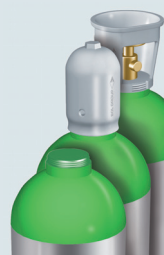
Ogive
Bright Green RAL 6018

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, Oxygen)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



**Safety
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COMFORT LINE

Enermix O₂gen

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix OX1	Cylinder	mc	200	ISO 14175 – M13	00151
Enermix OX1	Bundle	mc	200	ISO 14175 – M13	00154
Enermix OX2	Cylinder	mc	200	ISO 14175 – M13	00152
Enermix OX2	Bundle	mc	200	ISO 14175 – M13	00171
Enermix OX3	Cylinder	mc	200	ISO 14175 – M13	00153
Enermix OX3	Bundle	mc	200	ISO 14175 – M13	00172
Enermix OX5	Cylinder	mc	200	ISO 14175 – M22	01878
Enermix OX5	Bundle	mc	200	ISO 14175 – M22	01879

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Enermix 4Time

PREMIUM LINE

Enermix 4Time 4Ta

CO ₂	O ₂	N ₂	He	H ₂	Ar
•	•		•		•

Enermix 4Time 4Tb

CO ₂	O ₂	N ₂	He	H ₂	Ar
•			•	•	•

Shielding gas mixtures for automatic GMAW of carbon and high strength steels (4TA) and of austenitic and stainless steels (4TB). The 4Time mixtures provide outstanding quality performance, preferably on high thicknesses.



Features:

- very high welding speed;
- excellent mechanical properties;
- absence of spatters, excellent aesthetics and bead shape.

Physical state

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

Property

Colorless gas with a slightly pungent odor, non-flammable.

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.

Applications

		4Ta	4Tb
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		

Reference Standards

Gas: EN ISO 14175
Valve: UNI 11144

Cylinder specifications

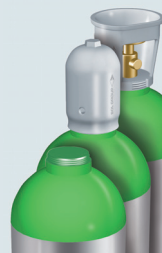
Ogive
Bright Green RAL 6018

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**

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PREMIUM LINE

Enermix 4Time

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix 4Ta	Cylinder	mc	200	ISO 14175 – M24	00676
Enermix 4Tb	Cylinder	mc	200	ISO 14175 – M11	00640
Enermix 4Tb	Bundle	mc	200	ISO 14175 – M11	00641

SOL technical gases production for cutting and welding in METAL FABRICATION



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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

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Enermix High-Speed

PREMIUM LINE

CO ₂	O ₂	N ₂	He	H ₂	Ar
•			•		•

Shielding gas mixture for High-speed automatic GMAW of stainless steels with high corrosion resistance, preferably on average thickness sheets. Features:

- also suitable for pulsed arc welding;
- suitable for welding with solid wire and flux cored wires;
- good arc stability;
- high welding speeds;
- excellent bead and absence of spatter.



Physical state

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

Property

Colorless gas with a slightly pungent odor, non-flammable.

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

		HSa	HSb	HSc	HSe
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

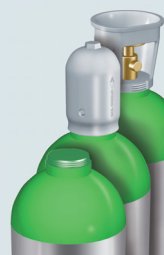
Ogive
Bright Green RAL 6018

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, Carbon dioxide)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



**Safety
datasheet**

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PREMIUM LINE

Enermix High-Speed

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix HSa	Cylinder	mc	200	ISO 14175 – M12	00650
Enermix HSa	Bundle	mc	200	ISO 14175 – M12	00651
Enermix HSb	Cylinder	mc	200	ISO 14175 – M12	00652
Enermix HSc	Cylinder	mc	200	ISO 14175 – M12	00657
Enermix HSc	Cylinder	mc	200	ISO 14175 – M12	00658
Enermix HSe	Cylinder	mc	200	ISO 14175 – M21	00618

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Enermix High-Speed

PREMIUM LINE



Shielding gas mixture for High-speed automatic GMAW of stainless steels with high corrosion resistance, preferably on average thickness sheets. Features:

- also suitable for pulsed arc welding;
- suitable for welding with solid wire and flux cored wires;
- good arc stability;
- high welding speeds;
- excellent bead and absence of spatter.



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

Do not discharge into areas where there is a risk of forming an explosive mixture with air. The gas should be disposed in a suitable burner with anti-flashback device. Do not drain where the accumulation can be dangerous. Contact supplier if guidance is required for use.

Reference Standards

Gas: EN ISO 14175
Valve: UNI 11144

Applications

		HSh
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
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PREMIUM LINE

Enermix High-Speed

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix HSh	Cylinder	mc	200	ISO 14175 – R1	00690
Enermix HSh	Bundle	mc	200	ISO 14175 – Z	00691

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Enermix NitrohElium

PREMIUM LINE



Gas mixture specially designed for GTAW of duplex and superduplex steels. Moreover, it guarantees optimum performance on high-alloyed steels with a low content of ferrite, particularly used in the chemical industry.

Thanks to the contribution of helium, the NitrohElium mixtures are particularly suitable for automated applications, ensuring high welding speeds.



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

		NE230	NE310
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

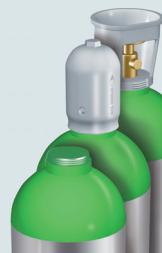
Ogive
Bright Green RAL 6018

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, Carbon dioxide)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



**Safety
datasheet**

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A complete line of technical gases for the best performances
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PREMIUM LINE

Enermix NitroHelium

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix NE310	Cylinder	mc	200	ISO 14175 – N2	00686
Enermix NE230	Cylinder	mc	200	ISO 14175 – N2	00688

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Enermix CarboXy

PREMIUM LINE



Shielding gas mixtures for the manual and automatic GMAW of carbon and low-alloy steel, preferably in the medium thicknesses. Especially suited for structural steel for pressure vessels fabrication. Features:



- excellent arc stability and performance in pulsed arc welding;
- excellent penetration and high deposition rate;
- excellent aesthetic;
- reduction of the fumes in metal core wire welding.

Physical state

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

Property

Colorless gas with a slightly pungent odor, non-flammable.

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

		CX031	CX051	CX052	CX066	CX073	CX132	CX155	CX182	CX355
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

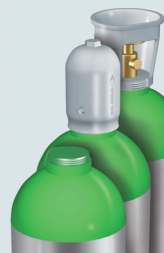
Ogive
Bright Green RAL 6018

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, Carbon dioxide)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



**Safety
datasheet**

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



PREMIUM LINE

Enermix CarboXy

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix CX031	Cylinder	mc	200	ISO 14175 – M14	00664
Enermix CX031	Bundle	mc	200	ISO 14175 – M14	00665
Enermix CX035	Cylinder	mc	200	ISO 14175 – M23	00674
Enermix CX035	Bundle	mc	200	ISO 14175 – M23	00675
Enermix CX051	Cylinder	mc	200	ISO 14175 – M14	00666
Enermix CX051	Bundle	mc	200	ISO 14175 – M14	00667
Enermix CX052	Bundle	mc	200	ISO 14175 – M14	00603
Enermix CX066	Cylinder	mc	200	ISO 14175 – M25	00680
Enermix CX066	Bundle	mc	200	ISO 14175 – M25	00681
Enermix CX073	Cylinder	mc	200	ISO 14175 – M24	00601
Enermix CX073	Bundle	mc	200	ISO 14175 – M24	00602
Enermix CX132	Cylinder	mc	200	ISO 14175 – M24	00682
Enermix CX132	Bundle	mc	200	ISO 14175 – M24	00683
Enermix CX155	Cylinder	mc	200	ISO 14175 – M25	00005
Enermix CX155	Bundle	mc	200	ISO 14175 – M25	00069
Enermix CX182	Cylinder	mc	200	ISO 14175 – M26	00684
Enermix CX182	Bundle	mc	200	ISO 14175 – M26	00685
Enermix CX355	Bundle	mc	200	ISO 14175 – M33	00129

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Enermix Carbon

COMFORT LINE



Shielding gas mixture for manual and automatic GMAW of non-alloyed and low-alloy steel, preferably applied to medium-thickness metal sheets. Features:

- ideal for both solid and flux cored wires;
- suitable also for pulsed arc welding;
- ideal in all welding position;
- good arc stability and penetration;
- good aesthetic.



Physical state

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

Property

Colorless gas with a slightly pungent odor, non-flammable.

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

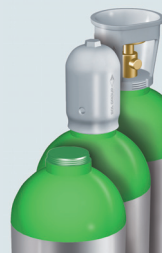
Gas: EN ISO 14175
Valve: UNI 11144

Applications

		C2	C3	C4	C5	C8	C10	C12	C13	C15	C18	C20	C25
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, Carbon dioxide)
UN-No. 1956
ADR Class 2.2
ADR/RID 1 A



**Safety
datasheet**

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



COMFORT LINE

Enermix Carbon

Product	Container	Unit of measure	Pressure bar	EN ISO 1417 Classification	Code
Enermix C2	Cylinder	mc	200	ISO 14175 – M12	00654
Enermix C2	Bundle	mc	200	ISO 14175 – M12	00655
Enermix C3	Cylinder	mc	200	ISO 14175 – M12	00136
Enermix C3	Bundle	mc	200	ISO 14175 – M12	00137
EnermixC4	Cylinder	mc	200	ISO 14175 – M12	00659
EnermixC4	Bundle	mc	200	ISO 14175 – M12	00642
EnermixC5	Cylinder	mc	200	ISO 14175 – M12	00140
EnermixC5	Bundle	mc	200	ISO 14175 – M12	00141
Enermix C8	Cylinder	mc	200	ISO 14175 – M20	00670
Enermix C8	Bundle	mc	200	ISO 14175 – M20	00671
Enermix C10	Cylinder	mc	200	ISO 14175 – M20	00146
Enermix C10	Bundle	mc	200	ISO 14175 – M20	00147
Enermix C12	Cylinder	mc	200	ISO 14175 – M20	00616
Enermix C12	Bundle	mc	200	ISO 14175 – M20	00617
EnermixC13	Cylinder	mc	200	ISO 14175 – M20	00194
Enermix C15	Cylinder	mc	200	ISO 14175 – M20	00148
Enermix C15	Bundle	mc	200	ISO 14175 – M20	00149
Enermix C18	Cylinder	mc	200	ISO 14175 – M21	00142
Enermix C18	Bundle	mc	200	ISO 14175 – M21	00143
Enermix C20	Cylinder	mc	200	ISO 14175 – M21	00004
Enermix C20	Bundle	mc	200	ISO 14175 – M21	00068
Enermix C25	Cylinder	mc	200	ISO 14175 – M21	00138
Enermix C25	Bundle	mc	200	ISO 14175 – M21	00139

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