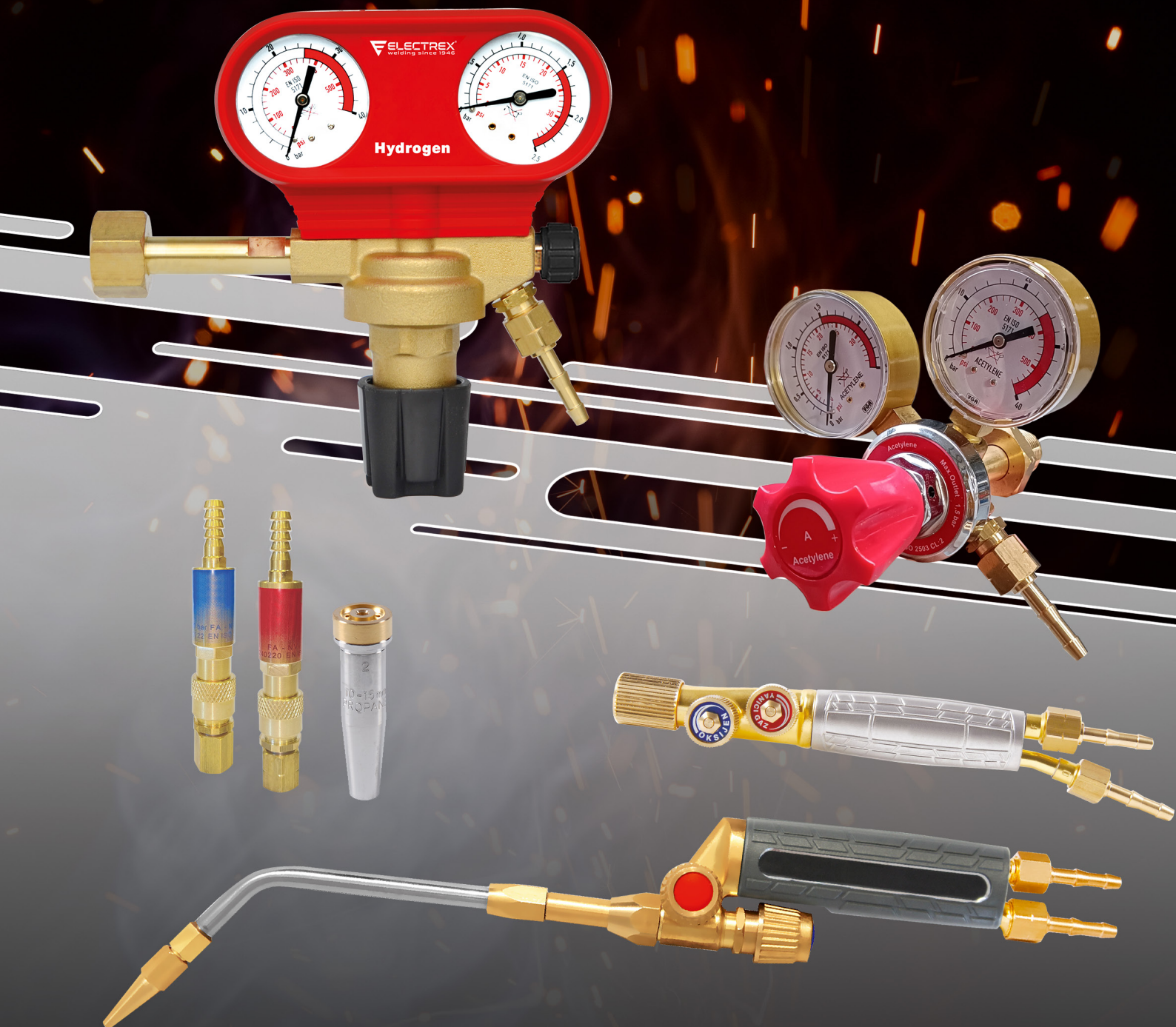


ACCESSORIES FOR INDUSTRIAL GASES



OVER 70 YEARS' EXPERIENCE IN THE WELDING INDUSTRY

When João Rodrigues de Matos designed the first welding equipment in 1946, he was far from imagining the importance and repercussions that the Electrex brand now has all over the world.

After more than 70 years, Electrex maintains a worldwide presence in the most diverse markets with a major influence on the world of welding. The rigour and trust that characterise our relationships with our customers are the key to seven decades of success.



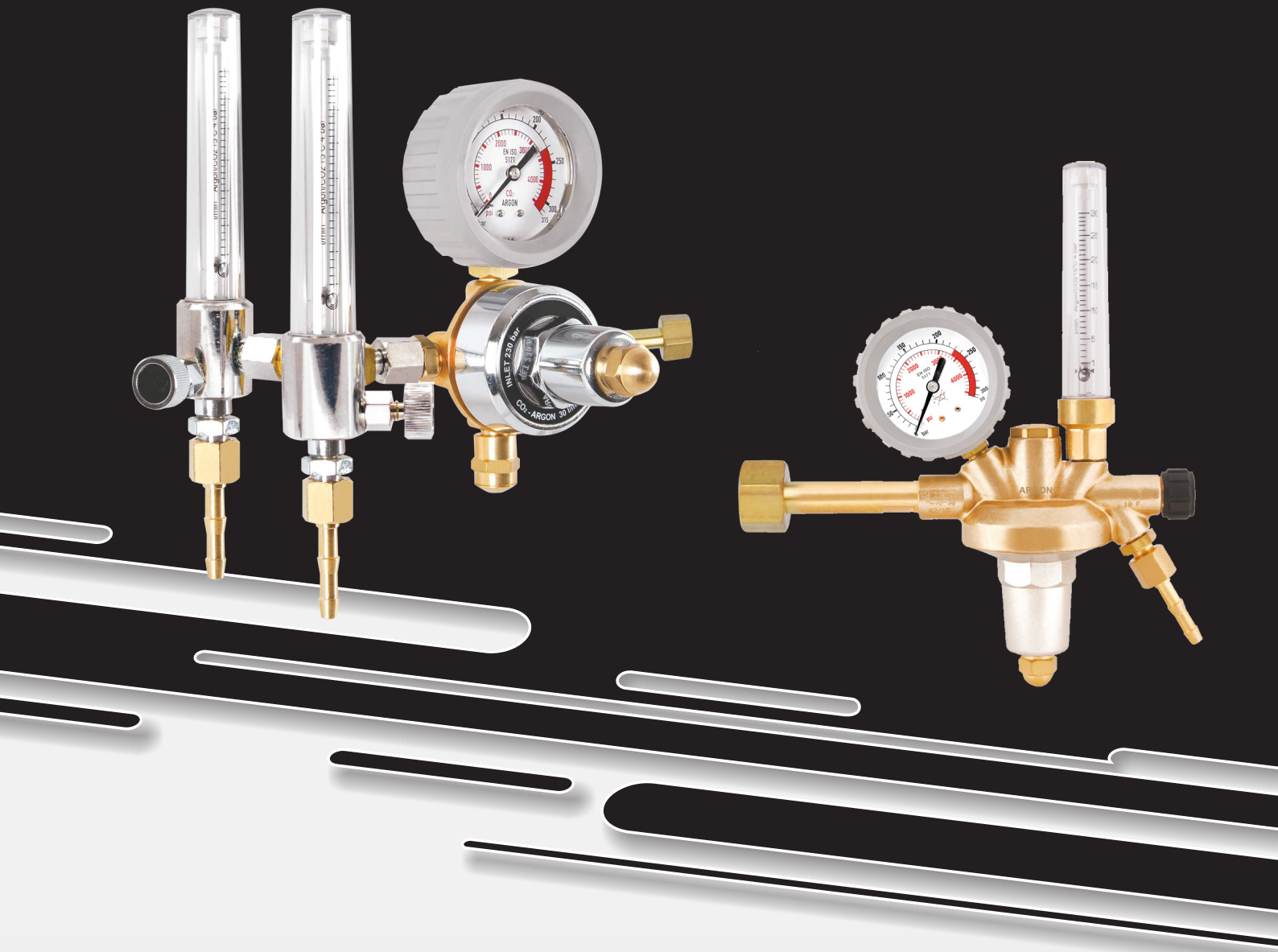
WELDING SINCE
1946

Joseph P. ...

1917 - 2008



PRESSURE REGULATORS

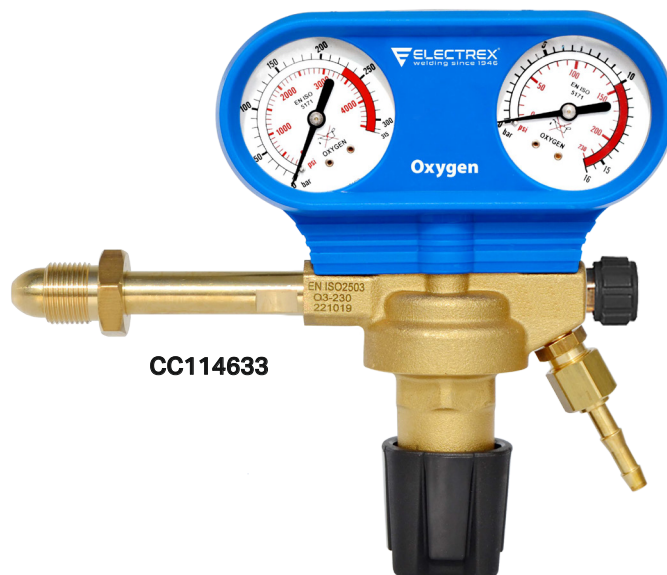


SERIES OXYGEN PRESSURE REGULATOR

Gas Inlet Pressure	Gas Outlet Pressure	Max. Gas Flow
0-230 bar	0-10 bar	150 m³/h

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to lengthen product life.
- Brass body design.
- Registered manometer protection design.
- Improved relief valve providing security.
- Open/close valve for short period stop.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16. The accessories to use with this product may be found in page 17.

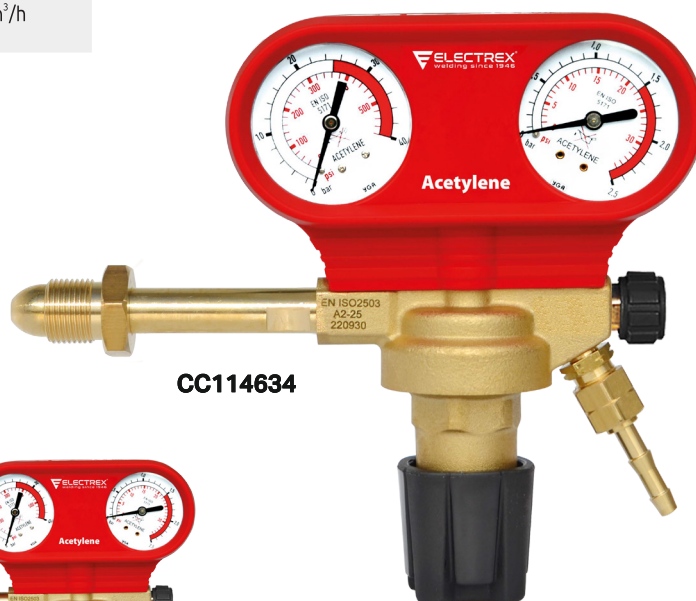


SERIES ACETYLENE PRESSURE REGULATOR

Order No	Gas Inlet Pressure	Gas Outlet Pressure	Max. Gas Flow
CC114634	0-25 bar	0-1.5 bar	35 m³/h
CC114635			

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to lengthen product life.
- Brass body design.
- Registered manometer protection design.
- Open/close valve for short period stop.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



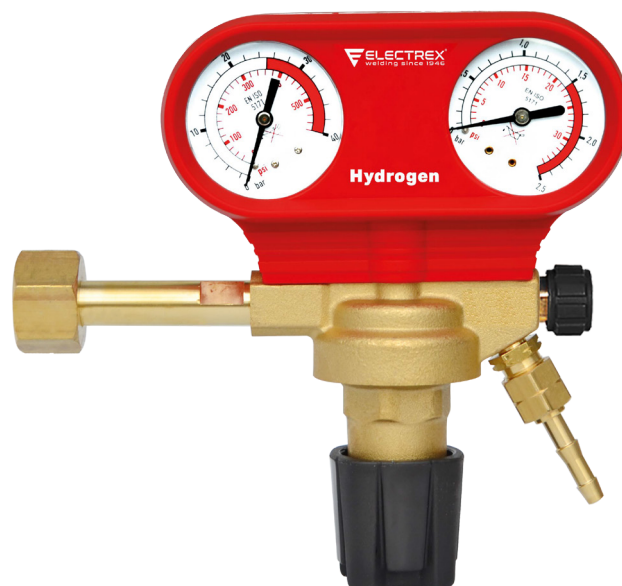
PRESSURE REGULATORS

SERIES PRESSURE REGULATOR

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Max. Gas Flow
CC114637	Helium	0-230 bar	0-10 bar	270 m³/h
CC114638	Hydrogen		0-10 bar	380 m³/h

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to lengthen product life.
- Brass body design.
- Registered manometer protection design.
- Improved relief valve providing security.
- Open/close valve for short period stop.
- Option - Inlet Pressure 300 bar will be available on request
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



SERIES AZOTE PRESSURE REGULATOR

Order No	Gas Inlet Pressure	Gas Outlet Pressure	Max. Gas Flow
CC114639	0-230 bar	0-4 bar	40 m³/h
CC114640		0-10 bar	150 m³/h

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to lengthen product life.
- Brass body design.
- Registered manometer protection design.
- Improved relief valve providing security.
- Open/close valve for short period stop.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- accessories to use with this product may be found in page 17.

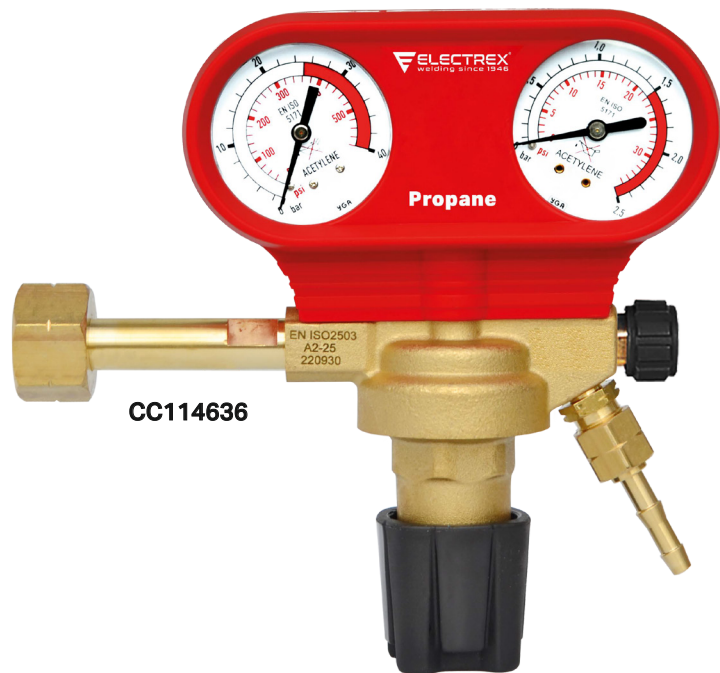


SERIES PROPANE PRESSURE REGULATOR

Gas Outlet Pressure	Min. Gas Flow
0-4 bar	5 m ³ /h

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to lengthen product life.
- Brass body design.
- Registered manometer protection design.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



CC114636

SERIES OXYGEN PRESSURE REGULATOR

Gas Inlet Pressure	Gas Outlet Pressure	Min. Gas Flow
0-230 bar	0-10 bar	30 m ³ /h

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE).
- Brass body design.
- Improved relief valve providing security.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



CC115878

PRESSURE REGULATORS

SERIES ACETYLENE PRESSURE REGULATOR		
Gas Inlet Pressure	Gas Outlet Pressure	Min. Gas Flow
0-25 bar	0-1.5 bar	5 m³/h

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE).
- Brass body design.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.

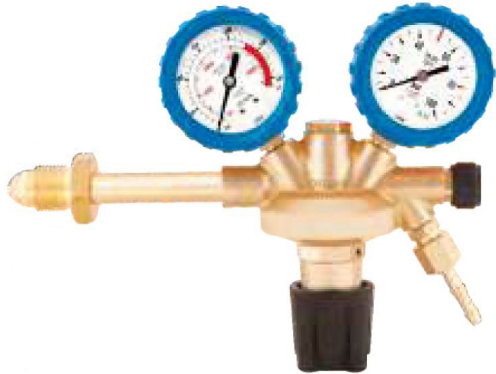


CC115879

SERIES OXYGEN and AZOTE HIGH PRESSURE REGULATOR			
Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure
CC114641	Oxygen	0-230 bar	0-20 bar
CC114642			0-50 bar
			0-100 bar
			0-150 bar
			0-200 bar
CC114643	Azote		0-20 bar
CC114644			0-50 bar
			0-100 bar
			0-150 bar
			0-200 bar

TECHNICAL SPECIFICATIONS

- Using for high pressure needed applications.
- Stainless steel filter to increase product life.
- High strength brass diaphragm.
- Brass body design.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



SERIES HELIUM, HYDROGEN and DRY AIR HIGH PRESSURE REGULATOR

Gas Type	Gas Inlet Pressure	Gas Outlet Pressure
Helium	0-230 bar	0-20 bar
		0-50 bar
		0-100 bar
		0-150 bar
		0-200 bar
Hydrogen		0-20 bar
		0-50 bar
		0-100 bar
		0-150 bar
		0-200 bar
Dry Air		0-20 bar
		0-50 bar
		0-100 bar
		0-150 bar
		0-200 bar

TECHNICAL SPECIFICATIONS

- Stainless steel filter to increase product life.
- High strength brass diaphragm.
- Brass body design.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



SERIES HELIUM BALLON PRESSURE REGULATOR

Gas Outlet Connection

Ballon Aparate

TECHNICAL SPECIFICATIONS

- Baloon blowing flexible outlet stem.
- Outlet pressure fixed at 4 bar.
- Right entry connection.
- Suitable for using with helium and mixed helium gases.
- The accessories to use with this product may be found in page 17.



CC114645

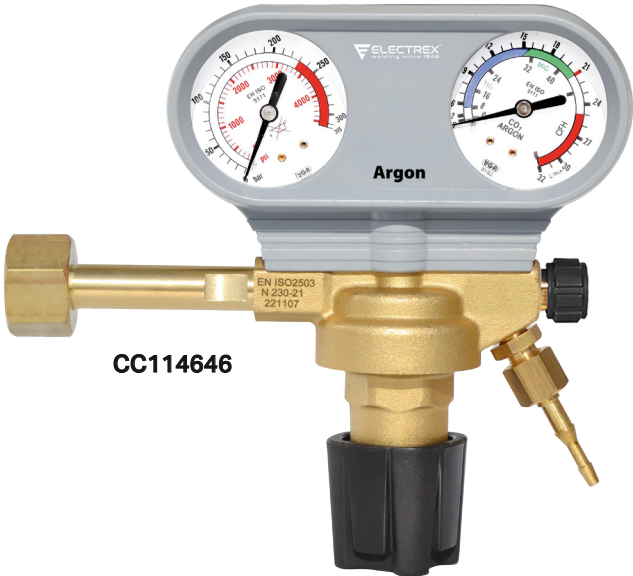


PRESSURE REGULATORS

SERIES ARGON and Co ₂ PRESSURE REGULATOR		
Gas Type	Gas Inlet Pressure	Gas Outlet Pressure
Mixed Gas	0-230 bar	0-21 l/min.

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to lengthen product life.
- Brass body design.
- Registered manometer protection design.
- Improved relief valve providing security.
- Open/close valve for short period stop.
- Ø 6 mm hose nipple.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.

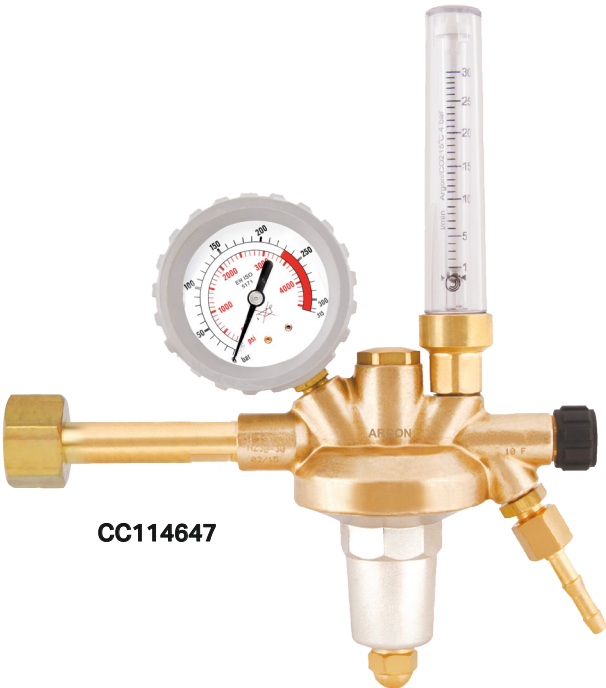


CC114646

SERIES ARGON and Co ₂ PRESSURE REGULATOR		
Gas Outlet Connection	Gas Inlet Pressure	Gas Outlet Flow
G 1/4"	0-230 bar	30 l/min.

TECHNICAL SPECIFICATIONS

- Flow meter design for accurate settings.
- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Brass body design.
- Registered manometer protection design.
- Improved relief valve providing security.
- Stainless steel filter to increase product life.
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



CC114647

SERIES ARGON PRESSURE REGULATOR

Gas Inlet Pressure	Gas Outlet Pressure
0-230 bar	30 l/min.

* Double Outlet Flowmeter

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503 (TSE, APRAGAZ).
- Stainless steel filter to increase product life.
- Brass body design.
- Improved relief system providing security.
- Flow meter design for sensitive settings .
- Option - Inlet Pressure 300 bar will be available on request.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



CC114648

SERIES ARGON / CO₂ PRESSURE REGULATOR

Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Gas Outlet Flow (Q1)
Argon / CO2	0-300 bar	-	21l/min

TECHNICAL SPECIFICATIONS

- Compliance with EN ISO 2503
- Brass body design.
- Improved relief valve providing security.
- The cylinder connection is made in accordance with each country and standard. Connections may be found in pages 14-16.
- The accessories to use with this product may be found in page 17.



CC115880

GAS ECONOMIZER

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure
CC114655	Argon - CO ₂	4 bar	1,1 - 1,3 bar
CC114656	Mixed Gas	4 bar	1,1 - 1,3 bar

Product Description

MIG/MAG and TIG welding application. When the welding torch is triggered off, gas flow to the outside is closed. On the other hand, the gas pressure on hose increases due to continuous gas supply. Following the restart of welding, extra gas consumption, porous welding area and less penetration of welding material is caused by the increase of pressure. This situation could be avoided by using a gas economizer.

Usage of Product

Product must be assembled to outlet of CO₂ / Argon, Mixed gas regulators.

When using CC114655

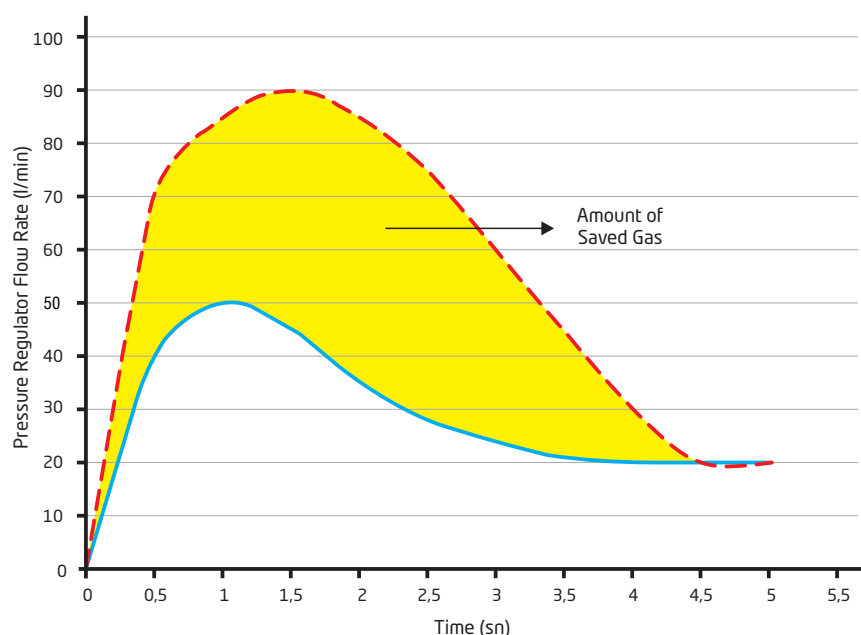
- Up to %50 less gas consumption.
- When the pressure inside the tube drops, the welding operator must adjust the flow rate again. CC114655 provides a constant flow and second setting of flow is not required until the gas inside the cylinder is empty. Saves time and increase efficiency.
- Increase welding quality.



CC114655



CC114656



— Gas Saving Regulator

- - - Pressure Regulator

This chart shows the instantaneous flow rate generated by the Pressure Reducer and the instantaneous flow rate generated using the CC114655, which shows the amount of gas that can be saved. The upper curve shows the gas consumption when the gas saving device is not used and the lower curve shows the gas consumption when the gas saving device is used. The area between the two curves expresses the amount of gas saved.

PRESSURE REGULATORS (MANOMETERS)

Order No	Gas Type	Manometer Pressure	Pressure Used	Outer Diameter	Connection
CC114660	Acetylene	0-2,5 bar	0-1,5 bar	Ø 63	G 1/4"
	-	0-6 bar	0-4 bar		
CC114662	Oxygen	0-16 bar	0-10 bar		
	-	0-40 bar	0-20 bar		
CC114659	Acetylene	0-40 bar	0-25 bar		
	-	0-100 bar	0-50 bar		
	-	0-200 bar	0-100 bar		
	-	0-200 bar	0-150 bar		
CC114661	Oxygen	0-315 bar	0-230 bar		
CC114663	Argon-CO ₂	0-315 bar	0-230 bar		
CC114664	-	0-32 l/min	0-21 l/min		



CC114661



CC114662

TEST FLOWMETER

Specifications

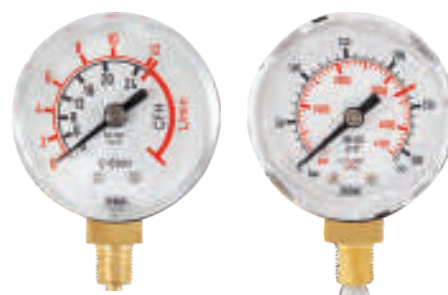
Test Flowmeter Argon - CO₂



CC4000A131025

PRESSURE REGULATORS (MANOMETERS)

Manometer Pressure	Pressure Used	Outer Diameter	Connection
0-2,5 bar	0-1,5 bar	Ø 50	G 1/8"
0-6 bar	0-4 bar		
0-40 bar	0-25 bar		
0-315 bar	0-230 bar		
0-12 l/min	0-12 l/min		



CYLINDER CONNECTIONS



Number : 1



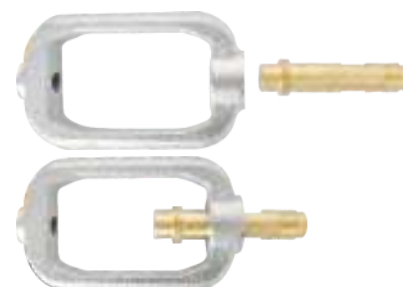
Number : 2



Number : 3



Number : 4



Number : 5

TABLE 1

GERMANY, AUSTRIA, SWITZERLAND, CZECH REPUBLIC, SLOVAKIA, HUNGARY, POLAND				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	YO E	D N 477 No: 3	5
Argon	Ar	W21.8 X 1/14"	D N 477 No: 6	2
Butane	C_4H_{10}	W21.8 X 1/14" L	D N 477 No: 6	2
Carbon Dioxide	CO_2	W21.8 X 1/14"	D N 477 No: 6	2
Air	-	G 5/8"	D N 477 No: 13	1
Helium	He	W21.8 X 1/14"	D N 477 No: 6	2
Hydrogen	H_2	W21.8 X 1/14" L	D N 477 No: 1	2
Methane	CH_4	W21.8 X 1/14" L	D N 477 No: 1	2
Azote	N_2	W24.32 X 1/14"	D N 477 No: 10	2
Oxygen	O_2	G 3/4"	D N 477 No: 9	2
Propane	C_3H_8	W21.8 X 1/14" L	D N 477 No: 1	2

*Czech Rep, and Slovakia: CO_2 G 3/4" - Oxygen W21.8 x 1/14"

TABLE 2

FRANCE, MOROCCO, ALGERIA, TUNISIA, LEBANON				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	YO E	NF E 29-650/A	5
Argon	Ar	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/	1
Butane	C_4H_{10}	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/C	4
Carbon Dioxide	CO_2	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/E	4
Helium	He	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/C	4
Hydrogen	H_2	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/C	4
Methane	CH_4	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/E	4
Azote	N_2	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/E	4
Oxygen	O_2	$\varnothing 22.9 \times 1/14"$ L	NF E 29-650/C	4
Propane	C_3H_8	$\varnothing 21.7 \times 1/14"$ L	NF E 29-650/F	3
			NF E 29-650/E	4

TABLE 3

ITALY				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	YO E	7S-UN 11144	5
		G 5/8" L	7F-UN 11144	1
Argon	Ar	W24.5 X 1/14"	84UN 11144	1
Butane	HC_4_{10}	W20 X 1/14" L	1P-UN 11144	2
Carbon Dioxide	CO_2	W21.7 X 1/14"	24UN 11144	2
Air	-	W30 X 1/14"	6-UN 11144	2
Helium	He	W24.5 X 1/14"	84UN 11144	1
Hydrogen	H_2	W20 X 1/14" L	1 -UN 11144	2
Methane	$H C_4$	W20 X 1/14" L	1 -UN 11144	2
Azote	N_2	W21.7 X 1/14"	54UN 11144	1
Oxygen	O_2	W21.7 X 1/14"	24UN 11144	2
Propane	C_3H_8	W20 X 1/14" L	1P-UN 11144	2

TABLE 4

UK				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	G 5/8" L	BS 341 No: 2	1
Argon	Ar	G 5/8"	BS 341 No: 3	1
Butane	C_4H_{10}	G 5/8" LH	BS 341 No: 4	1
Carbon Dioxide	CO_2	0.860" X 14 P	BS 341 No: 8	2
Air	-	G 5/8"	BS 341 No: 3	1
Helium	He	G 5/8"	BS 341 No: 3	1
Hydrogen	H_2	G 5/8" LH	BS 341 No: 2	1
Methane	CH_4	G 5/8" L	BS 341 No: 2	1
Azote	N_2	G 5/8"	BS 341 No: 3	1
Oxygen	O_2	G 5/8"	BS 341 No: 3	1
Propane	C_3H_8	G 5/8" LH	BS 341 No: 4	1

TABLE 5

MEXICO

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C ₂ H ₂	CGA 510	CGA V-1	1
Argon	Ar	CGA 580	CGA V-1	1
Carbon Dioxide	CO ₂	CGA 320	CGA V-1	2
Helium	He	CGA 580	CGA V-1	1
Azote	N ₂	CGA 580	CGA V-1	1
Oxygen	O ₂	W21.8x1/14"	D N 477 No: 6	2
		CGA 540	CGA V-1	4
Propane	C ₃ H ₈	CGA 510	CGA V-1	1

TABLE 6

EGYPT

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C ₂ H ₂	G 5/8" LEF	7F-UN 11144	1
Argon	Ar	W 21,80x1,14"	D N 477 No: 6	2
Carbon Dioxide	CO ₂	W 21,80x1,14"	D N 477 No: 6	2
Helium	He	G 5/8"	D N 477 No: 13	1
Azote	N ₂	G 5/8"	D N 477 No: 13	1
Oxygen	O ₂	G 5/8"	D N 477 No: 13	1
Propane	HC ₃ H ₈	W 21,80x1,14" LEFT	D N 477 No: 1	2

TABLE 7

BRAZIL

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C ₂ H ₂	BGA 510 L	CGA V-1	1
Argon	Ar	CGA 580	CGA V-1	1
Carbon Dioxide	CO ₂	CGA 320	CGA V-1	2
Helium	He	CGA 580	CGA V-1	1
Azote	N ₂	CGA 580	CGA V-1	1
Oxygen	O ₂	W21.8x1/14"	D N 477 No: 6	2
Propane	C ₃ H ₈	CGA 510 L	CGA V-1	1

TABLE 8

RUSSIA

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	HC ₂ H ₂	G 3/4" LEFT	D N 477 No: 12	2
Argon	Ar	G 3/4"	D N 477 No: 9	2
Carbon Dioxide	CO ₂	G 3/4"	D N 477 No: 9	2
Helium	He	G 3/4"	D N 477 No: 9	2
Azote	N ₂	G 3/4"	D N 477 No: 9	2
Oxygen	O ₂	G 3/4"	D N 477 No: 9	2
Propane	C ₃ H ₈	W 21,80x1,14" LEF	D N 477 No: 1	2

TABLE 9

NORTH IRAQ

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C ₂ H ₂	G 5/8" LEFT	D N 477 No: 13	1
Argon	Ar	G 5/8"	D N 477 No: 13	1
Carbon Dioxide	CO ₂	G 5/8"	D N 477 No: 13	1
Helium	He	G 5/8"	D N 477 No: 13	1
Azote	N ₂	G 5/8"	D N 477 No: 13	1
Oxygen	O ₂	G 5/8"	D N 477 No: 13	1
Propane	C ₃ H ₈	W 21,80x1,14" LEF	D N 477 No: 6	2

TABLE 10

U.A.E, KUWAIT

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	HC ₂ H ₂	G 5/8" LEFT	BS 341 No: 2	1
Argon	Ar	G 5/8"	BS 341 No: 3	1
Carbon Dioxide	CO ₂	W24,51x1/14"	BS 341 No: 8	2
Helium	He	G 5/8"	BS 341 No: 3	1
Azote	N ₂	G 5/8"	BS 341 No: 3	1
Oxygen	O ₂	G 5/8"	BS 341 No: 3	1
Propane	C ₃ H ₈	G 5/8" LEF	BS 341 No: 4	1

TABLE 11

INDIA

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C ₂ H ₂	G 5/8" LEF	S 3224:2002	1
Argon	Ar	G 3/4"	S 3224:2002	1
Butane	C ₄ H ₁₀	G 5/8" LEF	S 3224:2002	1
Carbon Dioxide	CO ₂	W 21,80x1,814	S 3224:2002	2
Air	-	G 7/8"	S 3224:2002	2
Helium	He	G 3/4"	S 3224:2002	2
Hydrogen	H ₂	G 5/8" LEF	S 3224:2002	1
Methane	CH ₄	G 5/8" LEFT	S 3224:2002	1
Azote	N ₂	G 3/4"	S 3224:2002	2
Oxygen	O ₂	G 5/8"	S 3224:2002	1
Propane	C ₃ H ₈	W 21,80x1,14" LEF	-	2

TABLE 12

GREECE

Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	HC ₂ H ₂	G 3/4"	D N 477 No: 12	1
		W/O E-1	Ø12 mm	5
		YO E-2	D N 477 No: 3	5
Argon	Ar	W 21,80x1,14"	D N 477 No: 6	2
Carbon Dioxide	CO ₂	W 21,80x1,14"	D N 477 No: 6	2
Helium	He	W 21,80x1,14"	D N 477 No: 6	2
Azote	N ₂	W 21,80x1,14"	D N 477 No: 6	2
Oxygen	O ₂	G 5/8"	D N 477 No: 13	1
Propane	HC ₃ H ₈	W21.8 X 1/14" L	D N 477 No: 1	2

CYLINDER CONNECTIONS

TABLE 13

U.S.A, CANADA, SAUDI ARABIA				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	CGA 510 L	CGA V-1	1
		CGA 300 L	CGA V-1	2
		CGA 200 LH	CGA V-1	2
		CGA 520	CGA V-1	2
Argon	Ar	CGA 580	CGA V-1	1
Butane	C_4H_{10}	CGA 510 L	CGA V-1	1
Carbon Dioxide	CO_2	CGA 320	CGA V-1	2
Air	-	CGA 346	CGA V-1	4
Helium	He	CGA 580	CGA V-1	1
Hydrogen	H_2	CGA 350 L	CGA V-1	4
Methane	CH_4	CGA 510 L	CGA V-1	1
Azote	N_2	CGA 580	CGA V-1	1
Oxygen	O_2	CGA 540	CGA V-1	4
Propane	C_3H_8	CGA 510 LH	CGA V-1	1

TABLE 14

SPAIN, PORTUGAL				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	YO E	YO E	5
		Ø22,91 X 1/14"L	M E AP7	1
Argon	Ar	W21.7 X 1/14"	M E AR7	2
Butane	C_4H_{10}	W21.7 X 1/14" L	M E AP7	2
Carbon Dioxide	CO_2	W21.7 X 1/14"	M E AR7	2
Air	-	M 30 X 1.75	M E AP7	2
Helium	e H	W21.7 X 1/14"	M E AR7	2
Hydrogen	H_2	W21.7 X 1/14" L	M E AP7	2
Methane	C_4H	W21.7 X 1/14" L	M E AP7	2
Azote	N_2	W21.7 X 1/14"	M E AP7	2
Oxygen	O_2	W22.91 X 1/14"	M E AP7	1
Propane	C_3H_8	W21.7 X 1/14" L	H M E AR7	2

TABLE 15

SWEDEN, NORWAY, FINLAND				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	G3/4"	SS 2238/C2	1
Argon	Ar	W24.32X 1/14"	SS 2238/ A	2
Butane	C_4H_{10}	CGA 510 LH	SS 2238/ C1	1
	C_4H_{10}	W21.8 X 1/14" L	-	2
Carbon Dioxide	CO_2	W21.8 X 1/14"	SS 2238/A	2
Air	-	G 5/8"	SS 2238/C2	1
Helium	He	W24.32X 1/14"	SS 2238/A	2
Hydrogen	H_2	W21.8 X 1/14" LH	SS 2238/A	2
Methane	CH_4	W21.8 X 1/14" L	SS 2238/A	2
Azote	N_2	W24.32X 1/14"	SS 2238/A	2
Oxygen	O_2	W21.8 X 1/14"	SS 2238/A	2
Propane	C_3H_8	CGA 510 LH	SS 2238/C1	1
	C_3H_8	W21.8 X 1/14" L	-	2

TABLE 16

HOLLAND, BELGIUM				
Gas	Chemical Symbol	Outlet Dimensions	Standard	Outlet Number
Acetylene	C_2H_2	YO E K	NEN 3268 YO E K	5
		G 5/8" L	NEN 3268 L 2	1
Argon	Ar	W24.32 X 1/14"	NEN 3268 RU 3	2
Butane	C_4H_{10}	W21.8 X 1/14" L	NEN 3268 LU 1	2
Carbon Dioxide	CO_2	W21.8 X 1/14"	NEN 3268 RU 1	2
Air	-	W21.8 X 1/14"	NEN 3268 RU 6	2
Helium	He	W24.32 X 1/14"	NEN 3268 RU 3	2
Hydrogen	H_2	W21.8 X 1/14" L	NEN 3268 LU 1	2
Methane	CH_4	W21.8 X 1/14" L	NEN 3268 LU 1	2
Azote	N_2	W24.32 X 1/14"	NEN 3268 RU 3	2
Oxygen	O_2	G 5/8"	NEN 3268 R 2	1
Propane	C_3H_8	W21.8 X 1/14" L	NEN 3268 LU 1	2

CYLINDER CONNECTIONS

Table 1	D N 477 STANDARD
Table 2	NF AFNOR STANDARD
Table 3	UN 11144 STANDARD
Table 4	BS 341 STANDARD
Table 5	CGA V-1 STANDARD
Table 6	D N 477 STANDARD
Table 7	CGA V-1 STANDARD
Table 8	D N 477 STANDARD

CYLINDER CONNECTIONS

Table 9	D N 477 STANDARD
Table 10	BS 341 STANDARD
Table 11	S 3224 STANDARD
Table 12	DIN 477 STANDARD
Table 13	CGA V-1 STANDARD
Table 14	SS 2238 STANDARD
Table 15	MIE AP7 STANDARD
Table 16	NEN 3268 STANDARD

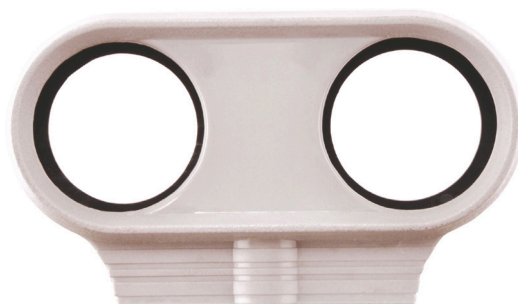
SPARE PARTS AND ACCESSORIES	
Order No	Specilities
CC114665	Rubber Manometer Guard (Orange)
CC114666	Rubber Manometer Guard (Blue)
CC114667	Rubber Manometer Guard (Red)
CC114668	Rubber Manometer Guard (Grey)
CC114657	CO ₂ Gas Heater - 230 V / 75 W
CC114658	CO ₂ Gas Heater - 230 V / 150 W



CC114666



CC114667



CC114668



CC114665



CC114658

OTHER GAS REGULATOR ACCESSORIES

Nut G1/4	CC114669
Nut G1/4L	CC114670
Nut G3/8	CC114671
Nut G3/8L	CC114672
Nut G9/16	CC114673
Nut G9/16L	CC114674
Nut M16x1,5	CC114675
Nut M16x1,5L	CC114676
Hose Niple G1/4L - Ø6-8mm	CC114678
Hose Niple G3/8L - Ø6-8mm	CC114680
Hose Niple G9/16L - Ø6-8mm	CC114682
Hose Niple M16x1,5 - Ø6-8mm	CC114683
O'ring	CC4000A102002



FLASHBACK ARRESTORS



FEATURES OF QUICK COUPLING FLASHBACK ARRESTOR



Flashback arrestors are safety devices that cut off the gas flow during flashbacks. Quick Coupling flashback arrestors allow easy replacement of welding & cutting equipment and provides shortening of preparation times in production.

Thanks to quick coupling connections, the risks that may occur in the equipment of welding and cutting are minimized. When the connector is removed, the special design of the flashback arrestor ensures that the gas is cut off automatically.

Advantages of quick coupling flashback arrestors produced by **Electrex**; Double o-ring to ensure full sealing and rustproof material is used.

Thanks to the special design of the product, a longer lasting and more reliable sealing is provided. With the production of the nipple made of stainless material, it provides smooth assembly and disassembly processes and ensures protection for a long time.

In order to prevent wrong hose connection by users, EN 561 / ISO 7289 numbered standard, connection conditions; record connection dimensions are designed differently according to Gas Type. In addition, to increase user awareness and to prevent error in assembly by the end user, colored O-ring is used to separate different Gas Types.

Nipple / Reduction **Insertion** Process



Nipple / Reduction **Removal** Process



FLASHBACK ARRESTORS

FLASHBACK ARRESTOR FOR REGULATOR (QUICK CONNECTOR) - KIT ON SET

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
CC114685	Oxygen	20 bar	95 m³/h	G 3/8"	G 3/8"
CC114686	Acetylene	1,5 bar	10 m³/h	G 3/8" Left	G 3/8" Left
	Propane	5 bar	40 m³/h		
	Hydrogen	3,5 bar	76 m³/h		
	Natural Gas	5 bar	62 m³/h		

TECHNICAL SPECIALITIES

- Check Valve, Flame Arrestor Safety, Thermal Valve
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure, hence it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures



CC114686

CC114685

FLASHBACK ARRESTOR FOR TORCH (QUICK CONNECTOR) - KIT ON SET

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
CC114687	Oxygen	20 bar	95 m³/h	Ø 6,3 mm	G 1/4"
CC114690	Acetylene	1,5 bar	10 m³/h		G 3/8" Left
	Propane	5 bar	40 m³/h		
	Hydrogen	3,5 bar	76 m³/h		
	Natural Gas	5 bar	62 m³/h		
CC114693	Oxygen	20 bar	95 m³/h	Ø 8 mm	UNF 9/16"x18
CC114696	Acetylene	1,5 bar	10 m³/h		UNF 9/16"x18 Left
	Propane	5 bar	40 m³/h		
	Hydrogen	3,5 bar	76 m³/h		
	Natural Gas	5 bar	62 m³/h		

TECHNICAL SPECIALITIES

- Check Valve, Flame Arrestor Safety,
- Flashback arrestor for back of torch (quick connector).

Sold as a set



CC114690

CC114687

FLASHBACK ARRESTOR FOR TORCH (QUICK CONNECTOR)

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection
CC114689	Oxygen	20 bar	95 m³/h	Ø 6,3 mm
CC114692	Acetylene	1,5 bar	10 m³/h	
	Propane	5 bar	40 m³/h	
	Hydrogen	3,5 bar	76 m³/h	
	Natural Gas	5 bar	62 m³/h	
CC114695	Oxygen	20 bar	95 m³/h	Ø 8 mm
CC114698	Acetylene	1,5 bar	10 m³/h	
	Propane	5 bar	40 m³/h	
	Hydrogen	3,5 bar	76 m³/h	
	Natural Gas	5 bar	62 m³/h	

Sold separately



CC114692



CC114689



CC114698



CC114695

QUICK CONNECTOR (QUICK COUPLING)

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection
CC114707 CC114708	Argon CO ₂	Connector	Ø 6,3 mm



CC114707



CC114708

QUICK CONNECTOR (FOR TORCH PRODUCTS)

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
CC114688	Oxygen	CC114687	Nut + Connector	G1/4"
CC114691	Flammable Gas	CC114690		G3/8" Left
CC114694	Oxygen	CC114693		UNF 9/16" x 18
CC114697	Flammable Gas	CC114696		UNF 9/16" x 18 Left



QUICK CONNECTOR (FOR LINE TYPE PRODUCTS)

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
CC114699	Oxygen	CC114685	Connector	Ø 6,3 mm
CC114700	Flammable Gas	CC114686		
CC114709	Oxygen			
CC114710	Flammable Gas			



CC114699
CC114700



CC114709
CC114710

FLASHBACK ARRESTORS

TORCH FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
CC114702	Acetylene	1,5 bar	10 m ³ /h	6,3 mm	G 3/8" Left
	Propane	5 bar	40 m ³ /h		G 3/8" Left
	Hydrogen	3,5 bar	76 m ³ /h		G 3/8" Left
	Natural Gas	5 bar	62 m ³ /h		G 3/8" Left
CC114701	Oxygen	20 bar	95 m ³ /h		G 1/4"
CC114704	Acetylene	1,5 bar	10 m ³ /h		UNF 9/16" Left
	Propane	5 bar	40 m ³ /h		UNF 9/16" Left
	Hydrogen	3,5 bar	76 m ³ /h		UNF 9/16" Left
	Natural Gas	5 bar	62 m ³ /h		UNF 9/16" Left
CC114703	Oxygen	20 bar	95 m ³ /h		UNF 9/16"

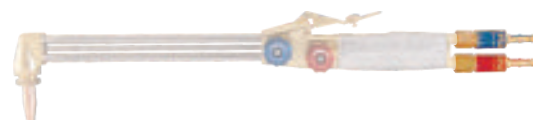
TECHNICAL SPECIALITIES

- Check valve, Flashback Arrestor safety device
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure. So, it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures.
The gas flow pressure lifts the valve spring on the valve to open the valve and allow the gas to flow towards the cutting torch.
The special flame-trap filter by made of sintered chrome-nickel in the safety valve keeps flaming backlash from the cutting torch.



CC114704

CC114703



HOSE FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
CC114706	Acetylene	1,5 bar	10 m ³ /h	6,3 mm	6,3 mm
	Propane	5 bar	40 m ³ /h		
	Hydrogen	3,5 bar	76 m ³ /h		
	Natural Gas	5 bar	62 m ³ /h		
CC114705	Oxygen	20 bar	95 m ³ /h		

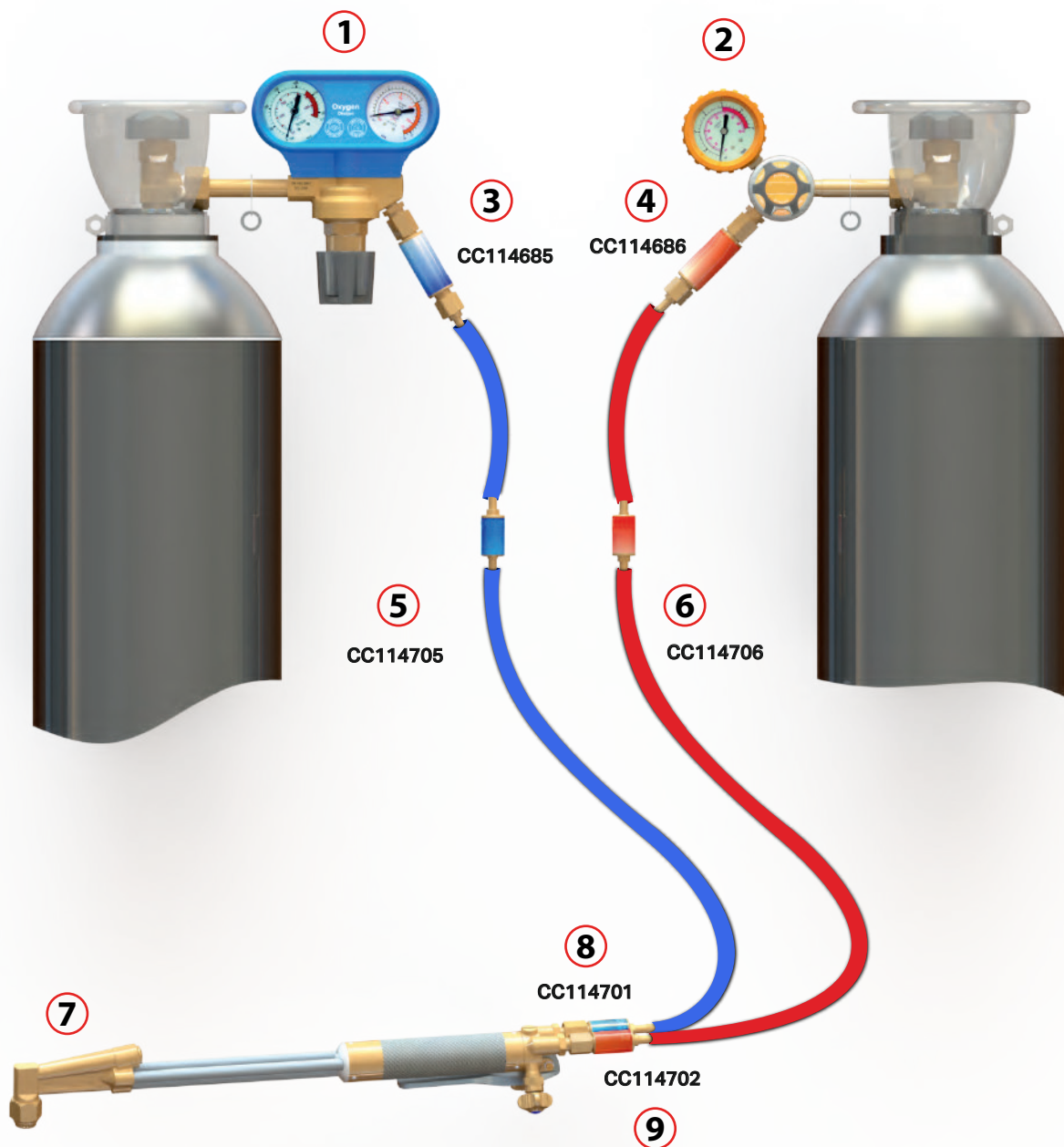
TECHNICAL SPECIALITIES

- Check valve, Flashback Arrestor safety device
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure. So, it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures.
The gas flow pressure lifts the valve spring on the valve to open the valve and allow the gas to flow towards the cutting torch.
Flame safety valves are used for hoses when flame safety valves can not be connected to cutting torch.



CC114706

CC114705



- 1- Oxygen Pressure Regulator
- 2- Propane Pressure Regulator
- 3- Flashback Arrestor **CC114685**
- 4- Flashback Arrestor **CC114686**
- 5- Flashback Arrestor for Oxygen Hose **CC114705**
- 6- Flashback Arrestor for Fuel Gas Hose **CC114706**
- 7- Cutting Torch
- 8- Flashback Arrestor for Oxygen **CC114701**
- 9- Flashback Arrestor for Fuel Gas Torch **CC114702**

GAS HOSES	
Oxygen hose 6,3 x 12,3mm (20m)	CC114904
Oxygen hose 8,0 x 15,0mm (50m)	CC114895
Oxygen hose 10,0 x 17,0mm (20m)	CC114896
Acetylene hose 6,3 x 12,3mm (20m)	CC114897
Acetylene hose 8,0 x 15,0mm (50m)	CC114898
Acetylene hose 10,0 x 17,0mm (20m)	CC114899
Propane hose 8,0 x 15,0mm (20m)	CC114900
Oxygen / Acetylene hose 6,3mm (25m)	CC116214
Oxygen / Acetylene hose 8,0mm (25m)	CC116215
Oxygen / Acetylene hose 10,0mm (25m)	CC114903



CUTTING TORCHES



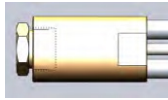
NOZZLE MIX TYPE CUTTING TORCHES

CI MULTIGAS CUTTING TORCH

Order No	Cutting Capacity	Length	Head Angle
CC114711	0-500 mm	460 mm	90°
CC114712		750 mm	
CC114713		1000 mm	
CC114714		1500 mm	
CC114715	Cutting attachment (80 mm - 800 mm circular cutting)		



75°



180°

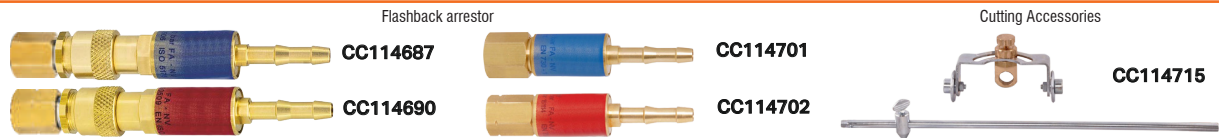


CC114711

TECHNICAL SPECIFICATIONS

- Oxygen - Fuel gas cutting operations.
- Cutting oxygen valve at the bottom, ergonomic handle.
- Gas valves at the bottom.
- Special production at 75, 90 and 180 degree head angles.
- Conforms to EN ISO 5172.
- Max safety.
- Cutting capacity up to 500 mm.
- Precision adjustable valves.
- Stainless steel pipe providing high durability.
- Cutting oxygen valve locking system.
- Operability according to different gas types.
- Different head angles and lengths.

ACCESSORIES



CUTTING BEAK C1 (OXYGEN-ACETYLENE)

Order No	Used With	Cutting Thickness	Oxygen Pressure	Acetylene Pressure
CC114716	CC114711 CC114712 CC114713 CC114714 CC114715	3-6 mm	2,5-3,5 bar	0.35 bar
CC114717		5-12 mm	3-4 bar	0.35 bar
CC114718		10-75 mm	4-5 bar	0.4 bar
CC114719		70-100 mm	4,5-5,5 bar	0.4 bar
CC114720		90-150 mm	5-6 bar	0.4 bar
CC114721		140-200 mm	5-6,5 bar	0.4 bar
CC114722		190-300 mm	6,5-7,5 bar	0.45 bar
CC114723		300-500 mm	6,5-7,5 bar	0.45 bar



CC114716

CI CUTTING NOZZLE (OXYGEN-PROPANE/NATURAL GAS)

Order No	Used With	Cutting Thickness	Oxygen Pressure	Propane/Natural Gas Pressure
CC114724	CC114711 CC114712 CC114713 CC114714 CC114715	3-6 mm	2,5-3,5 bar	0.3 bar
CC114725		5-12 mm	3-4 bar	0.3 bar
CC114726		10-75 mm	4-5 bar	0.4 bar
CC114727		70-100 mm	4,5-5,5 bar	0.4 bar
CC114728		90-150 mm	5-6 bar	0.7 bar
CC114729		140-200 mm	5-6,5 bar	0.7 bar
CC114730		190-300 mm	6,5-7,5 bar	0.7 bar
CC114731		300-500 mm	6,5-7,5 bar	0.8 bar



CC114724

NOZZLE MIX TYPE CUTTING TORCHES

G1 MULTIGAS CUTTING TORCH

Order No	Cutting Thickness	Height	Head Angle
CC114732	3-300 mm	500 mm	90°

TECHNICAL SPECIFICATIONS

- Nozzle mix cutting equipment.
- Suitable for G1 nozzle.
- Complies with EN ISO 5172 standard.
- Up to 300 mm cutting capacity.
- Stainless steel and durable trigger.
- **Inlet Connections** : Oxygen: M16 x 1,5
- **Flammable Gas** : M16 x 1,5 Left
- **Hose Connection** : Ø 10 mm



G1 NOZZLE TECHNICAL SPECIFICATIONS (OXYGEN - ACETYLENE)

Order No	Used With	Cutting Capacity	Oxygen Pressure	Acetylene Pressure
CC114733	CC114732	3-10 mm	3-5 bar	0,35 bar
CC114734		10-25 mm	3-5 bar	0,35 bar
CC114735		25-50 mm	3-5 bar	0,4 bar
CC114736		50-80 mm	4-6 bar	0,4 bar
CC114737		80-120 mm	5-7 bar	0,4 bar
CC114738		120-200 mm	6-8 bar	0,45 bar
CC114739		200-300 mm	6-10 bar	0,45 bar

G1 NOZZLE TECHNICAL SPECIFICATIONS (OXYGEN - PROPANE)

Order No	Used With	Cutting Capacity	Oxygen Pressure	Propane Pressure
CC114740	CC114732	3-10 mm	3-5 bar	0,3 bar
CC114741		10-25 mm	3-5 bar	0,3 bar
CC114742		25-50 mm	3-5 bar	0,4 bar
CC114743		50-80 mm	4-6 bar	0,4 bar
CC114744		80-120 mm	5-7 bar	0,7 bar
CC114745		120-200 mm	6-8 bar	0,7 bar
CC114746		200-300 mm	6-10 bar	0,8 bar



CC114733



CC114740

NOZZLE MIX TYPE CUTTING TORCHES

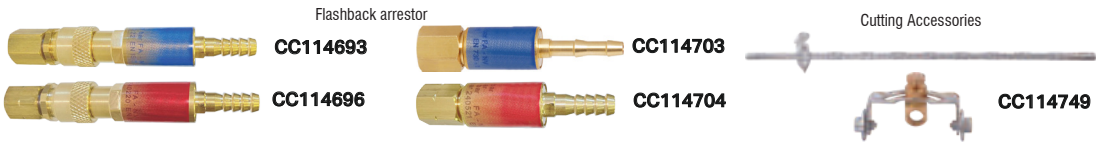
CUTTING TORCH H				
Order No	Gas Type	Cutting Thickness	Length	Head Angle
CC114747	Oxygen - Acetylene	0-300 mm	460 mm	90°
CC114748	Oxygen - Propane		460 mm	
	Oxygen - Acetylene		750 mm	
	Oxygen - Propane		750 mm	
	Oxygen - Acetylene		1000 mm	
	Oxygen - Propane		1000 mm	
CC114749	Cutting attachment (80 mm - 800 mm circular cutting)			

TECHNICAL SPECIFICATIONS

- Oxygen - Fuel gas cutting operations.
- Gas valves at the bottom
- Cutting oxygen valve at the bottom, ergonomic handle.
- Cutting capacity up to 300 mm.
- Complies with EN ISO 5172.
- Head mixed type.
- Precision adjustable valves.
- Stainless steel pipe providing high durability.
- Cutting oxygen valve locking system.
- Operability with different gas types.
- Available in different varieties of head angles and lengths.



ACCESSORIES



NOZZLE MIX TYPE CUTTING TORCHES

H CUTTING NOZZLES (OXYGEN - ACETYLENE)

Order No	Used With	Cutting Thickness	Oxygen Pressure	Acetylene Pressure
CC114750	CC114747	0-5 mm	2,5-3,5 bar	0.3 bar
CC114751		5-10 mm	3-4 bar	0.3 bar
CC114752		10-15 mm	4-5 bar	0.4 bar
CC114753		15-25 mm	4,5-5,5 bar	0.4 bar
CC114754		25-50 mm	4-6 bar	0.5 bar
CC114755		50-100 mm	5-6,5 bar	0.5 bar
CC114756		100-175 mm	6,5-7,5 bar	0.5 bar
CC114757		175-250 mm	6,5-7,5 bar	0.5 bar
CC114758		250-300 mm	7-8 bar	0.5 bar



CC114750

H CUTTING NOZZLES (OXYGEN - PROPANE)

Order No	Used With	Cutting Thickness	Oxygen Pressure	Propane Pressure
CC114768	CC114748	1-5 mm	1-2 bar	0,3 bar
CC114769		5-10 mm	1,5-2 bar	0,3 bar
CC114770		10-15mm	2-3 bar	0,4 bar
CC114771		15-25 mm	2,3-3,5 bar	0,4 bar
CC114772		25-50 mm	3-4,8 bar	0,5 bar
CC114773		50-75 mm	4,1-5,5 bar	0,5 bar
CC114774		75-150 mm	4,8-6,1 bar	0,7 bar
CC114775		150-200 mm	5-6,5 bar	0,7 bar
CC114776		200-300 mm	6,5-7,2 bar	0,7 bar



CC114768

H CUTTING NOZZLES (OXYGEN - ACETYLENE)

Order No	Used With	No	Cutting Thickness	Oxygen Pressure	Acetylene Pressure
CC114759	CC114747	000	1-5 mm	2-2,4 bar	1,3-2 bar
CC114760		00	5-10 mm	2,4-2,7 bar	1,3-2 bar
CC114761		0	10-15 mm	3,4-3,8 bar	1,3-2 bar
CC114762		1	15-25 mm	3,4-3,8 bar	1,3-2 bar
CC114763		2	25-50 mm	3,8-4,1 bar	1,3-2 bar
CC114764		3	50-75 mm	4,1-4,5 bar	1,3-2 bar
CC114765		4	75-150 mm	4,5-6,2 bar	1,7-2 bar
CC114766		5	150-200 mm	5,5-6,5 bar	1,7-2 bar
CC114767		6	200-300 mm	5,8-7,2 bar	1,7-2 bar



CC114759

WELDING AND CUTTING EQUIPMENT



SHANK

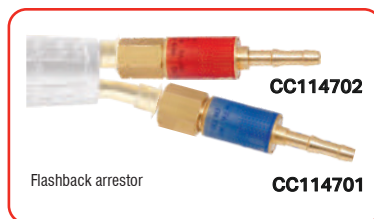
Order No	Welding Arm Connection Size	Oxygen Connection	Fuel Gas Connection	Hose Nipple
CC114777	Ø 16 mm	G 1/4"	G 3/8" Left	Ø 6,3 mm

TECHNICAL SPECIFICATIONS

- Suitable for cutting, welding, heating and brazing with right equipments.
- Complies with EN ISO 5172 (TSE).
- The ability to open and close more than 20.000 with improved valve systems.
- Easy connection with suitable equipments.
- Light handle designed for stability and gas tightness.
- Can be used with flashback arrestors.
- Compatible design with using all fuel gases.



ACCESSORIES

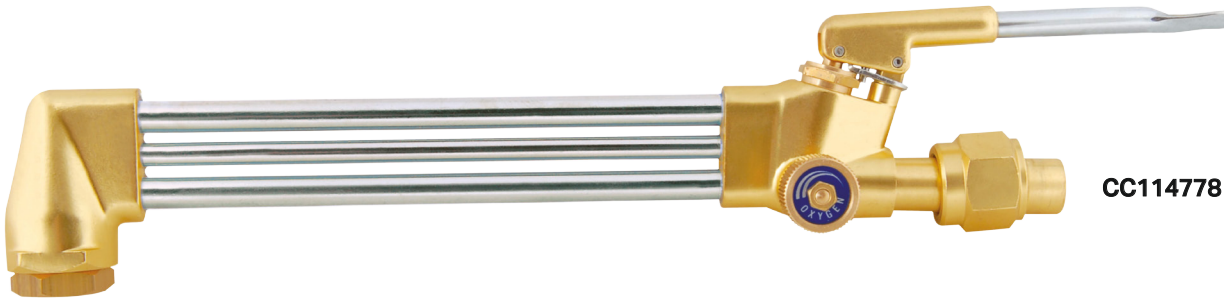


CC114690 and CC114687 quick coupling connection flashback arrestors can also be used.

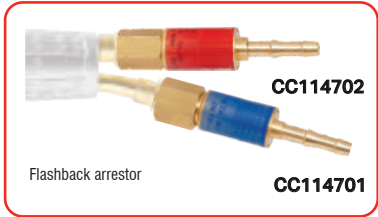
WELDING AND CUTTING EQUIPMENT

CI CUTTING LANCE	
Order No	Specifications
CC114778	Nozzle Mix Cutting torch

- TECHNICAL SPECIFICATIONS**
- Oxygen-Fuel gas cutting operations.
 - Complies with EN ISO 5172 (TSE).
 - Head mix type cutting equipment.
 - Suitable for using with all gas types. (Propane//Acetylene).
 - Easy connection to the shank.
 - Oring system to supply gas tightness on the valves.
 - Improved gas cutting valve system.
 - 0 - 300 mm cutting capacity.



ACCESSORIES

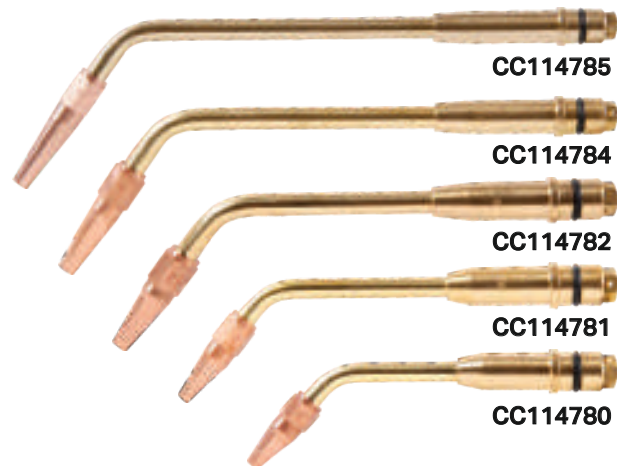


CC114690 and CC114687 quick coupling connection flashback arrestors can also be used.



(Look at page 29)

LANCE KIT + HEATING NOZZLE WELDING ATTACHMENT (OXYGEN - ACETYLENE)			
Order No	Welding Capacity	Oxygen Gas Pressure	Acetylene Gas Pressure
CC114779	0.2-0.5 mm	2,5 bar	0,25 bar
CC114780	0.5-1 mm		
CC114781	1-2 mm		
CC114782	2-4 mm		
CC114783	4-6 mm		
CC114784	6-9 mm		
CC114785	9-14 mm	0,30 bar	0,30 bar
CC114786	14-20 mm		
CC114787	20-30 mm		



WELDING NOZZLE (OXYGEN - ACETYLENE)				
Order No	Welding Attachment	Welding Capacity	Oxygen Gas Pressure	Acetylene Gas Pressure
CC114788	CC114779	0.2-0.5 mm	2,5 bar	0,25 bar
CC114789	CC114780	0.5-1 mm		
CC114790	CC114781	1-2 mm		
CC114791	CC114782	2-4 mm		
CC114792	CC114783	4-6 mm		
CC114793	CC114784	6-9 mm		
CC114794	CC114785	9-14 mm	0,30 bar	0,30 bar
CC114795	CC114786	14-20 mm		
CC114796	CC114787	20-30 mm		



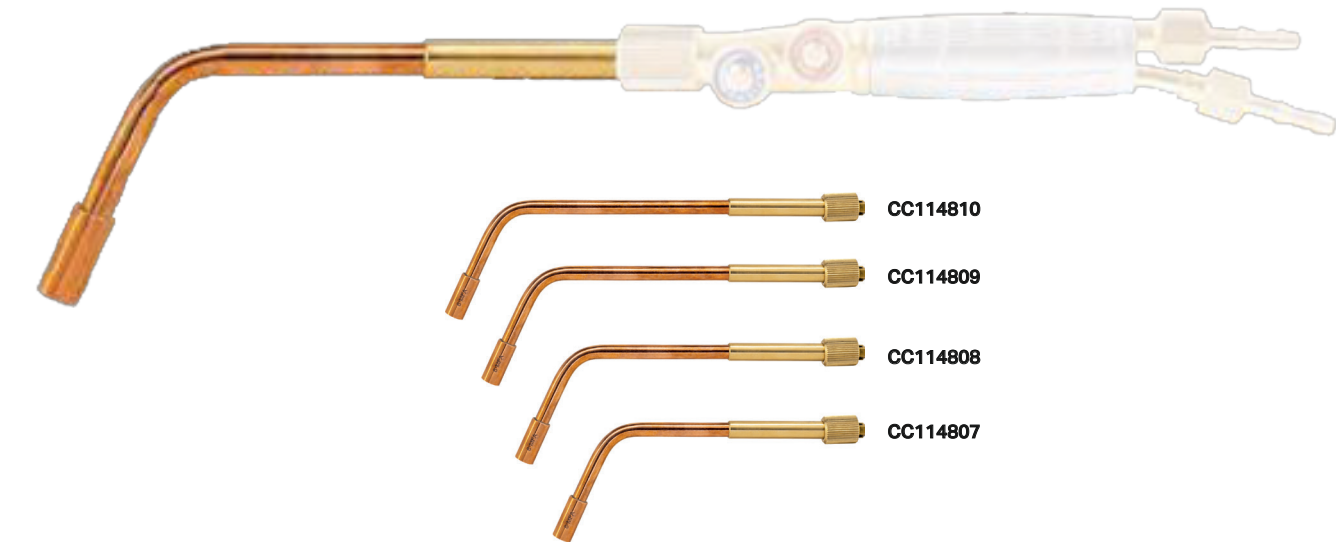
CC114794

WELDING AND CUTTING EQUIPMENT

LANCE KIT + HEATING NOZZLE OXYGEN - PROPANE HEATING ATTACHMENT			
Order No	Oxygen Gas Pressure	Propane - LPG Gas Pressure	Neck Length
CC114797	1-2 bar	0.5 bar	420 mm
CC114798	2-3 bar	0.5 bar	420 mm
CC114799	2-5 bar	1 bar	490 mm
CC114800	3-6 bar	1 bar	600 mm
CC114801	4-8 bar	1.5 bar	670 mm



OXYGEN - PROPANE HEATING NOZZLE			
Heating Nozzle Order No	Heating Attachment Order No	Oxygen Gas Pressure	Propane - LPG Gas Pressure
CC114802	CC114797	1-2 bar	0.5 bar
CC114803	CC114798	2-3 bar	0.5 bar
CC114804	CC114799	2-5 bar	1 bar
CC114805	CC114800	3-6 bar	1 bar
CC114806	CC114801	4-8 bar	1.5 bar



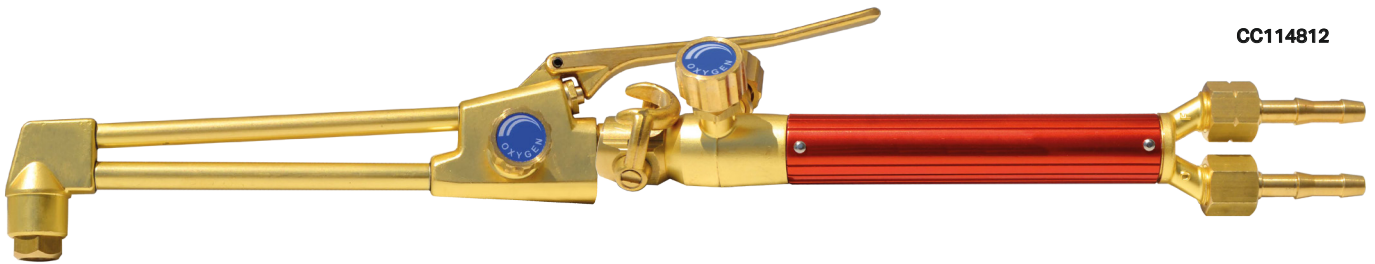
LANCE KIT + HEATING NOZZLE OXYGEN - ACETYLENE HEATING ATTACHMENT				
Order No	Welding Arm Connection Size	Oxygen Gas Pressure	Acetylene Gas Pressure	Neck Length
CC114807	Ø17 mm	2,5 bar	0,5 bar	366 mm
CC114808	Ø17 mm			366 mm
CC114809	Ø17 mm			366 mm
CC114810	Ø22 mm			436 mm

CUTTING TOOLS

Order No	Cutting Capacity	Head Angle	Oxygen Connection	Fuel Gas Connection	Hose Nipple	Gas Type
CC114812	0-100 mm	90°	G 1/4" Right	G 1/4" Left	Ø 6,3mm	Acetylene
CC114813	0-100 mm	90°	G 1/4" Right	G 1/4" Left	Ø 6,3mm	Propane

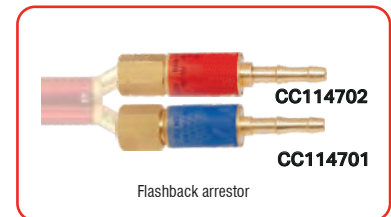
TECHNICAL SPECIFICATIONS

- Complies with ISO 5172 standard.
- Maximum safety
- Cutting capacity up to 100 mm
- Precise adjustable buttons
- Light desing
- Easy connection to the shank
- The teflon washers on all attachments, for perfect seal are easily replaced
- The quick connection nut enables rapid exchange of the welding head and the cutting attachment.
- Ability to work according to different gas system



CC114812

ACCESSORIES



CC114702

CC114701

Flashback arrestor

CC114690 and CC114687 quick coupling connection flashback arrestors can also be used.

CUTTING ATTACHMENT

Order No	Specifications
CC114814	Acetylene
CC114815	Propane

injector type Cutting Attachment



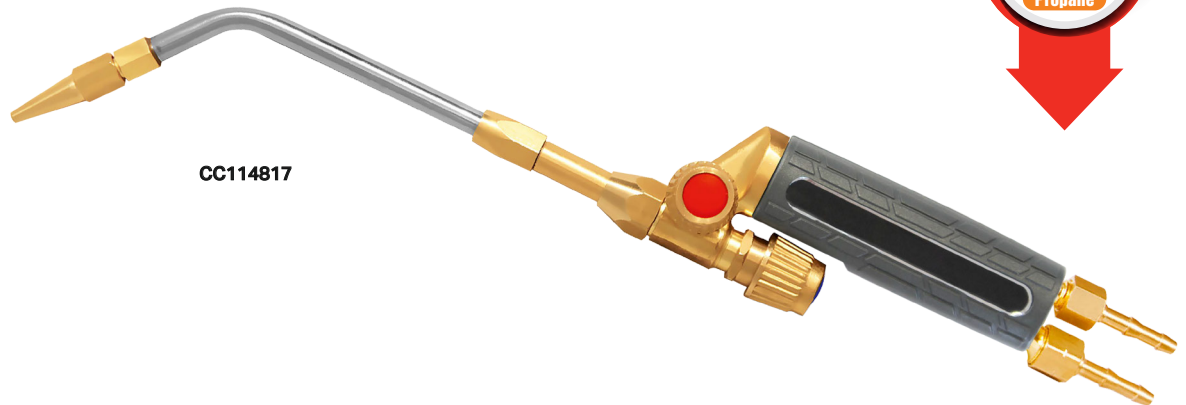
CC114814

SHANK

Order No	Oxygen Connection	Fuel Gas Connection	Hose Nipple
CC114816	G 1/4" Right	G 1/4" Left	Ø 6,3 mm



CC114816



CC114817

LIGHT TYPE WELDING TORCH

CC114817	"Shank (Removable Lance and Thread Outlets) + 7 pcs Nozzle Set"
CC114818	7 pcs Acetylene Nozzle Set
CC114819	7 pcs Propone Nozzle Set

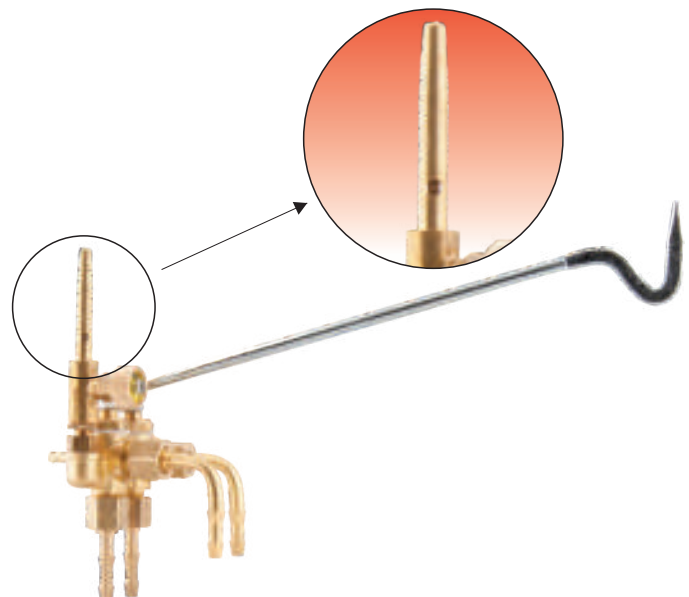
TECHNICAL SPECIFICATIONS

- Suitable for welding, heating and brazing. It is specially designed for use in manufacturing or repairinig of refrigerator, air conditioner, car bodywork.
- Ergonomic, lightweight and compact design
- Suitable for oxy-acetylene and oxy-Propane
- Welding capacity up to 5 mm
- Complies with EN ISO 5172
- Nozzle set according to flame size

OXYGEN AND ACETYLENE GAS ECONOMIZER

TECHNICAL SPECIFICATIONS

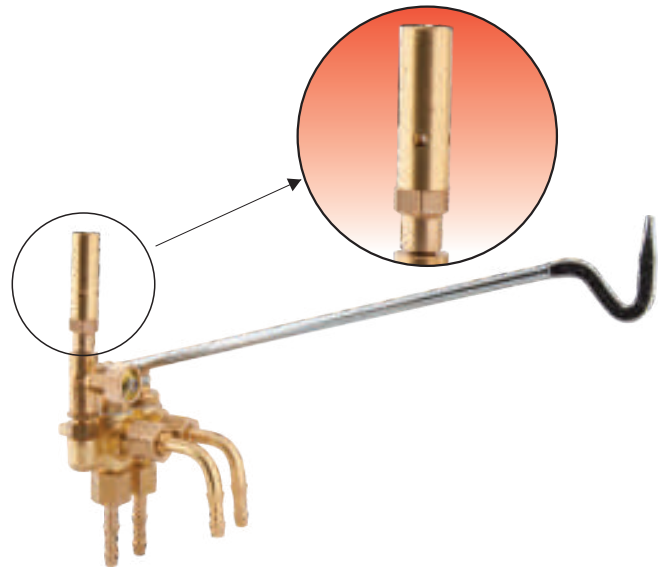
- It is used to reduce gas consumption during oxygen - acetylene cutting, welding, heating and brazing applications.
- Pilot mechanism enables to regenerate a flame which is generated and adjusted previously
- It saves time as there is no re adjustment of the flame.
- Extend the life time of the adjustment valves.
- Increase working safety.
- It contains inclined hose connection for work safety.



OXYGEN AND PROPANE GAS ECONOMIZER

TECHNICAL SPECIFICATIONS

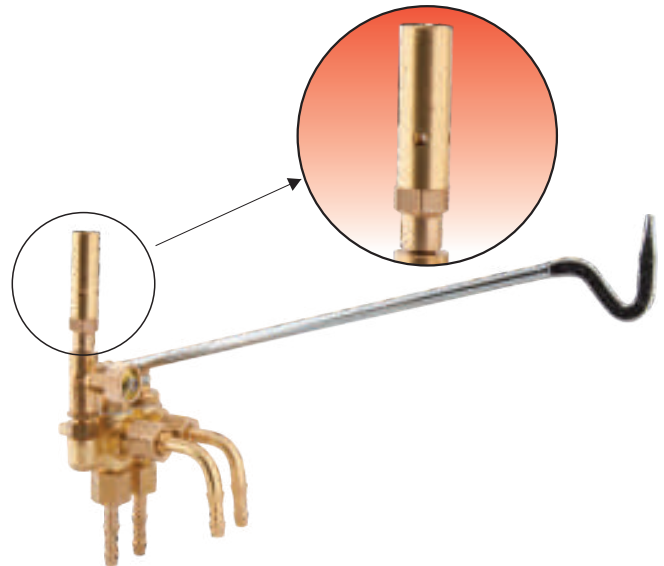
- It is used to reduce gas consumption during oxygen - Propane cutting, welding, heating and brazing applications.
- Pilot mechanism enables to regenerate a flame which is generated and adjusted previously
- It saves time as there is no re adjustment of the flame.
- Extend the life time of the adjustment valves.
- Increase working safety.
- **It contains inclined hose connection for work safety.**



OXYGEN AND NATURAL GAS ECONOMIZER

TECHNICAL SPECIFICATIONS

- It is used to reduce gas consumption during oxygen- natural gas cutting, welding, heating and brazing applications.
- Pilot mechanism enables to regenerate a flame which is generated and adjusted previously
- It saves time as there is no re adjustment of the flame.
- Extend the life time of the adjustment valves.
- Increase working safety.
- **It contains inclined hose connection for work safety.**

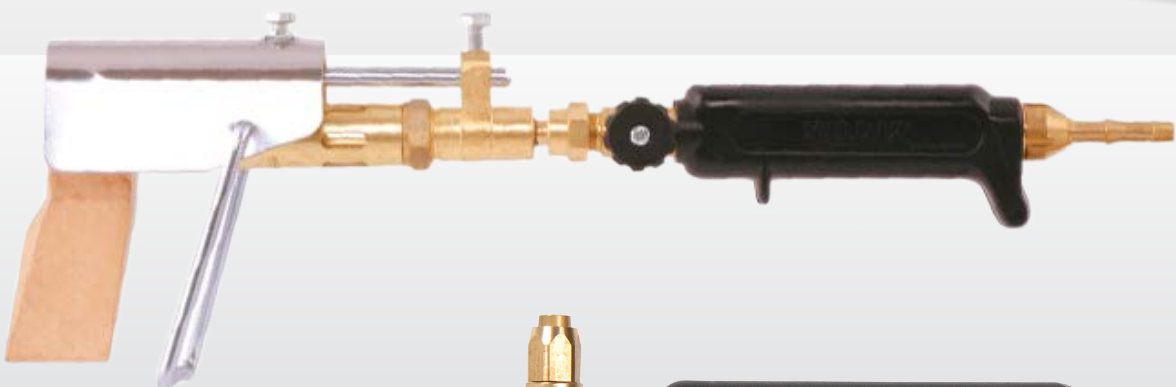
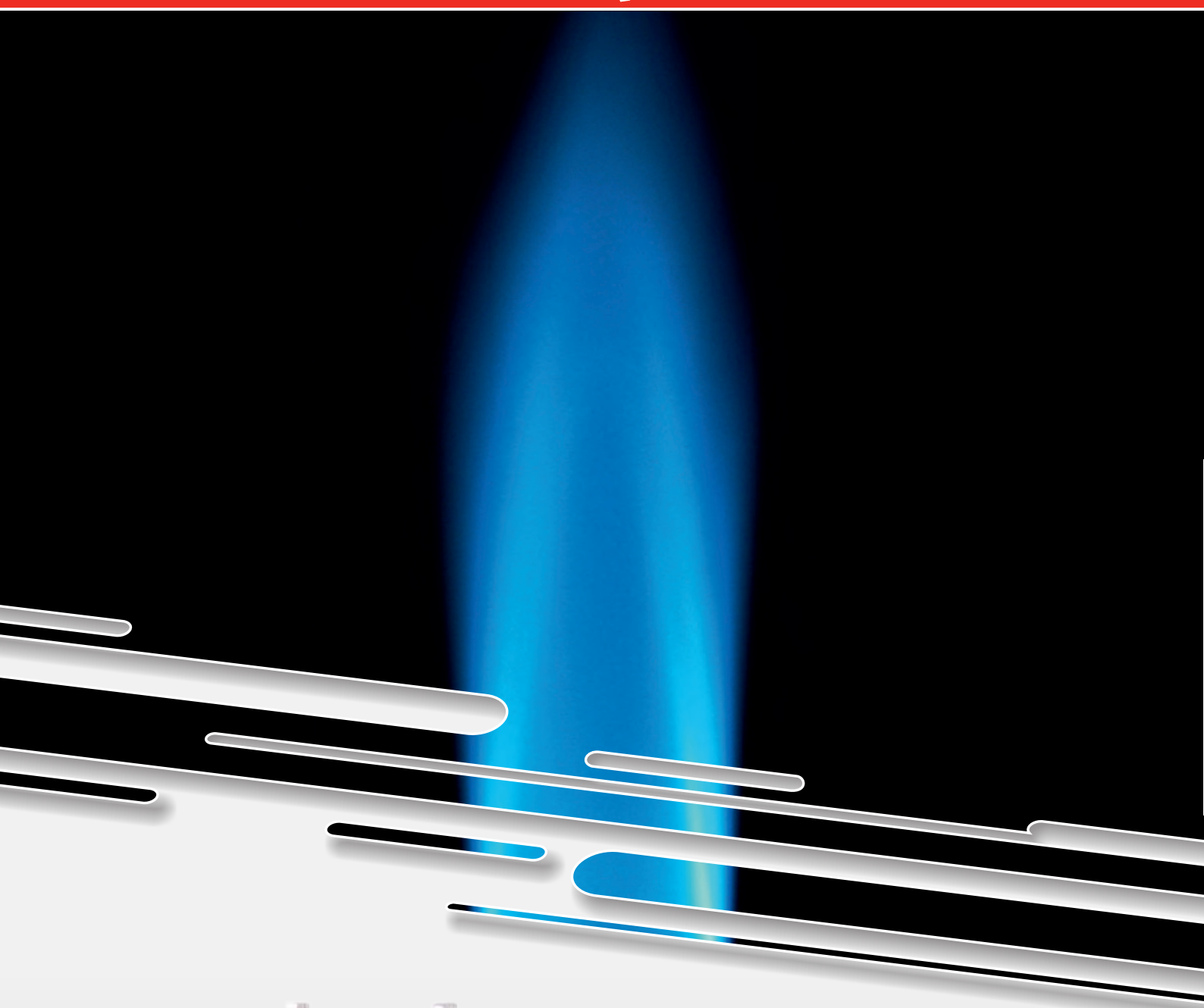


WELDING AND CUTTING OUTFITS

Specifications	CC114811
Welding Capacity	0,5 - 30 mm
Cutting Thickness	0-300 mm
Shank	1 pcs
Cutting Torch	1 pcs
Nozzle	1 set
Welding Attachment	8 pcs
Circular Cutting Atch.	1 pcs
Nozzle Cleaning Set	1 set
Universal Keys	1 pcs
O- Ring	9 pcs
Lighter	1 pcs



PROPANE HEATING AND WELDING EQUIPMENT



PROPANE SHANK (WITH TRIGGER)

Order No	Neck Connection	Outlet Connection	Gas Pressure
CC114821	M 14x1	G 3/8"	4 bar

TECHNICAL SPECIFICATIONS

- All kinds of soldering and heating processes.
- Complies with EN ISO 9012 (TSE) .
- Compact and light design.
- Triggered and open - close system.
- Pre-adjustable pilot flame.
- Fixed hose connection (2201).
- Removable hose connection (2201-1 Model).
- Usable with natural gas and propane gas.



CC114821

Removable Hose Connection
for flashback arrestor

HEATING BURNERS

Order No	Gas Type	Flame Length
CC114831	Propane	40 cm
CC114832		47 cm
CC114833		49 cm
CC114834		52 cm



CC114831

CC114832

CC114833

CC114834

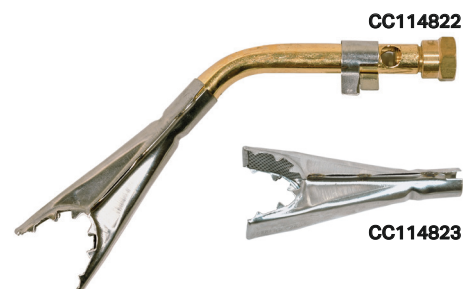
NATURAL GAS / PROPANE HEATING AND WELDING TORCHES

BRAZING BURNER

Order No	Gas Consumption	Shank Connection
CC114822	310 g/h (P=1.5 bar)	M 14x1
CC114823	Brazing Burner Tip	

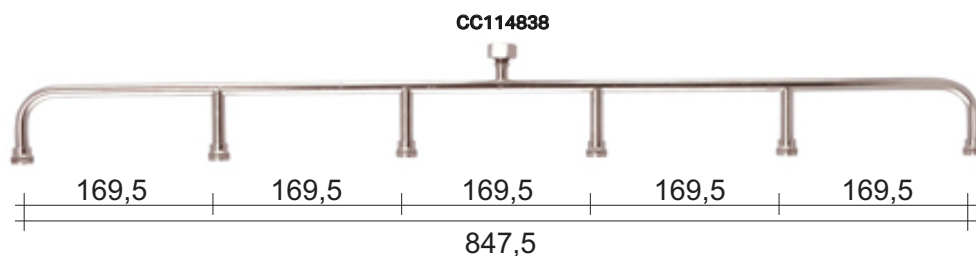
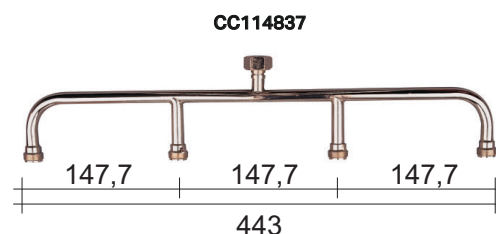
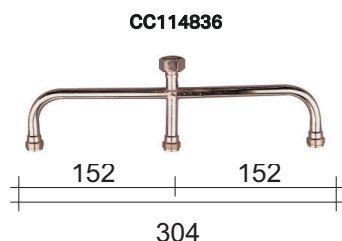
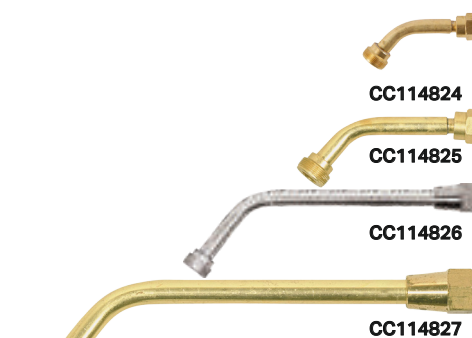
TECHNICAL SPECIFICATIONS

- Copper pipe heating and welding for refrigerators and air conditioners.
- Heating equally to entire surface of pipe.
- Time and gas saving.
- Obtaining suitable flame, lenght by adjustment clamp.



CONNECTION NECK

Order No	Used With	Gas Type	Neck Length	Shank Connection Size	Burner Connection Size
CC114824	CC114821	Propane	60 mm	M 14x1	M 20x1
CC114825			100 mm		
CC114826			200 mm		
CC114827			400 mm		
CC114828			600 mm		
CC114829			750 mm		
CC114830			1000 mm		



PROPANE HOSE CONNECTION NECKS

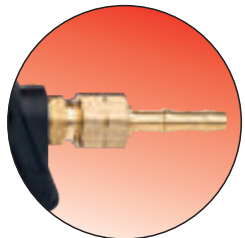
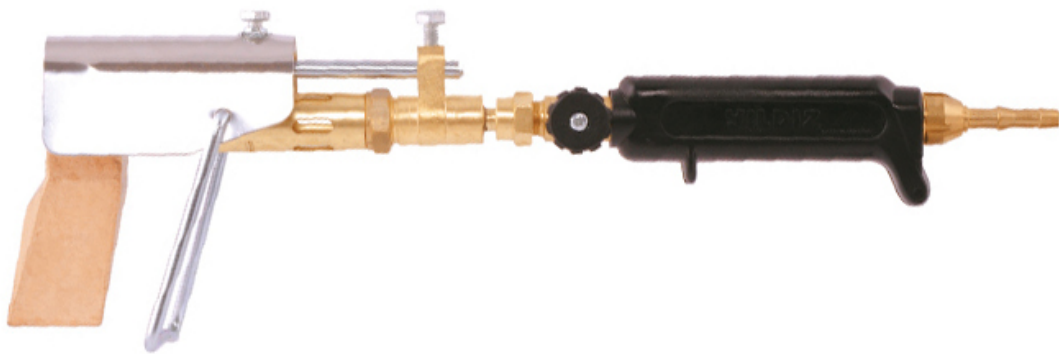
Order No	Description	Neck Length Size	Burner Hose Connection Size
CC114835	For 2 Burners	M 20x1	M 20x1
CC114836	For 3 Burners		
CC114837	For 4 Burners		
CC114838	For 6 Burners		

PROPANE SOLDERING IRON SET

Order No	Description	Copper Bit Weight	Gas Pressure
CC114839	Soldering Iron Set	500 gr.	4 bar

TECHNICAL SPECIFICATIONS

- Used in all soldering applications.
- Complies with EN ISO 9012 (TSE).
- Copper body and stainless steel shield.
- Used with different weight of copper bits.
- Used with pointed copper bits.
- Max. 4 bar working pressure.
- Support attachment for short stops.



CC114839

Removable Hose Connection
for flashback arrestor

COPPER BITS

Order No	Used With	Description	Weight
CC114840	CC114839	Copper Bits	350 gr.
CC114841			500 gr.
CC114842		Sharp Copper Bits	250 gr.
CC114843			350 gr.



CC114841



CC114840

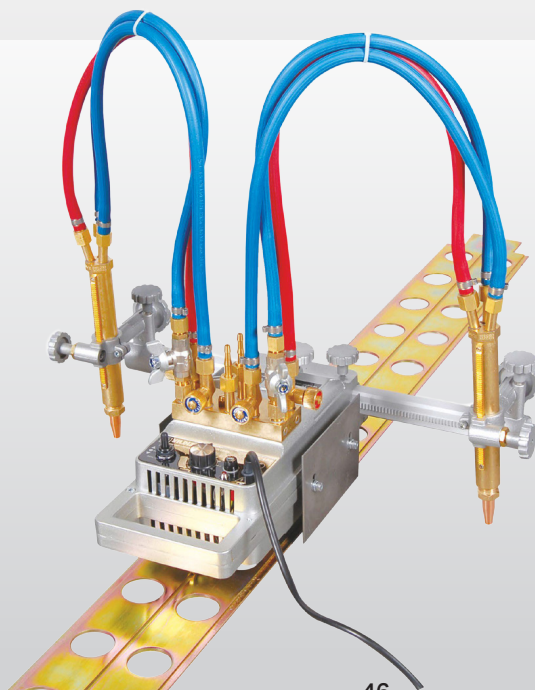


CC114842



CC114843

CUTTING MACHINES

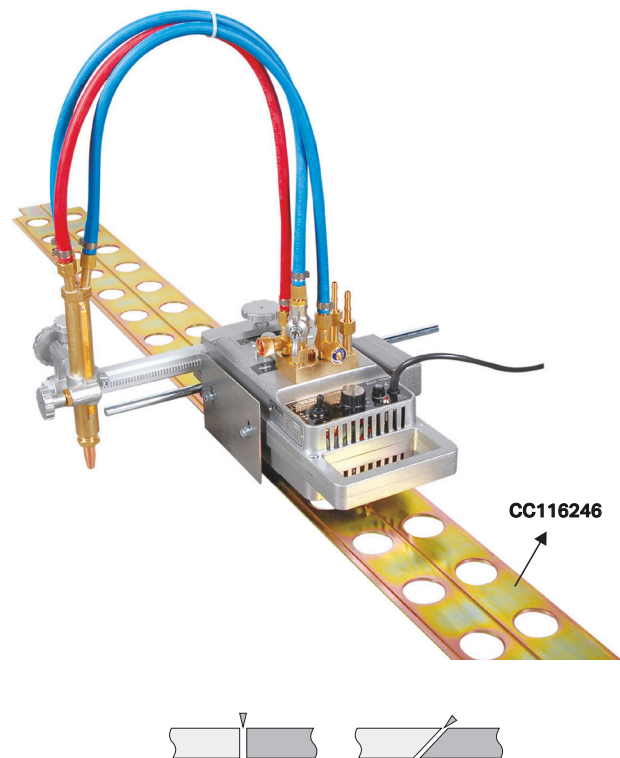


AUTOMATIC CUTTING MACHINES WITH RAIL

Specilities	CC114844 (Single Cutting Torch)
Weight	13 kg
Width x Length x Height	180x380x160 mm
Gases to be used	Oxygen - Acetylene or Oxygene - Propane
Cutting Thickness	3 - 200 mm
Cutting Speed	75 - 700 mm/min
Circular Cutting Size	Ø 100 mm - Ø 1300 mm
Cutting Torch Angle	± 45°
Engine	24 V DC
Voltage	220 Voltage (Optionally 110-50-48-42-32-24 V DC)
Accessories	2 mt. Rail circular cutting part, lighter, nozzle cleaning set and combine key

TECHNICAL SPECIFICATIONS

- Straight cutting, circle cutting, bevel cutting.
- Machine safety compliance (CE).
- Conformity to low voltage directive (LVD).
- Easy adjustment and control units .
- Manual and portable use.
- Ability to cut in different lengths with the attachable rail (0-2 mt each).
- Different voltage machines can be supplied as special production.
- Special design for plasma cutting.

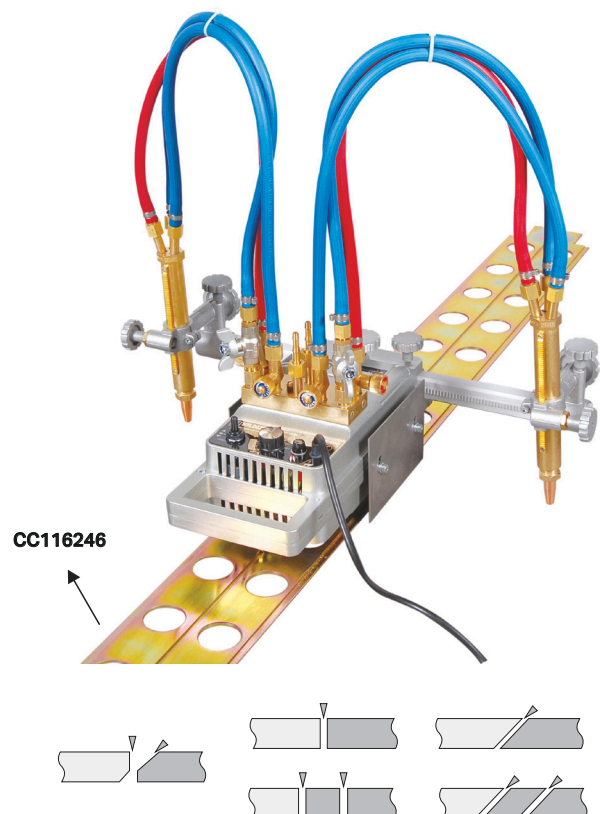


AUTOMATIC CUTTING MACHINES WITH RAIL

Specilities	CC116245 (Double Cutting Torch)
Weight	16 kg
Width x Length x Height	180x380x160 mm
Gases to be used	Oxygen - Acetylene or Oxygene - Propane
Cutting Thickness	3 - 200 mm
Cutting Speed	75 - 700 mm/min
Circular Cutting Size	Ø 100 mm - Ø 1680 mm
Cutting Torch Angle	± 45°
Engine	24 V DC
Voltage	220 Voltage (Optionally 110-50-48-42-32-24 V DC)
Accessories	2 mt. Rail circular cutting part, lighter, nozzle cleaning set and combine key

TECHNICAL SPECIFICATIONS

- Straight cutting, circle cutting, bevel cutting.
- Machine safety compliance (CE).
- Conformity to low voltage directive (LVD).
- Easy adjustment and control units .
- Manual and portable use.
- Ability to cut in different lengths with the attachable rail (0-2 mt each).
- Different voltage machines can be supplied as special production.
- Special design for plasma cutting.

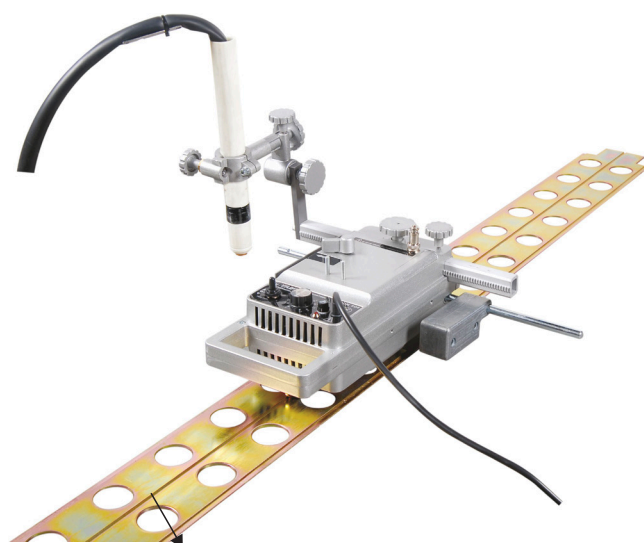


PLASMA AUTOMATIC CUTTING MACHINES WITH RAIL

Specilities	CC114845
Weight	10 kg
Width x Length x Height	180x380x160 mm
Gases to be used	Air
Cutting Thickness	Depends on Plasma Machine's Amper
Cutting Speed	75 - 1800 mm/min
Circular Cutting Size	Ø 100 mm - Ø 1300 mm
Cutting Torch Angle	± 45°
Engine	24 V DC
Voltage	220 Voltage
Accessories	2 mt. Rail circular cutting part, combine key

TECHNICAL SPECIALITIES

- Line Cutting, Straight Cutting, Circle Cutting, Opening Welding Mouth
- Machine Safety Compliance (CE)
- Conformity to low Voltageage regulation (LVD)
- Convenient adjustment and control units for convenient use.
- Manual and portable use
- Ability to cut in different lengths with the attachable rail system (0-2 mt)
- Special design for plasma cut
- Cutting Ability (0-2 Meter)



CC116246

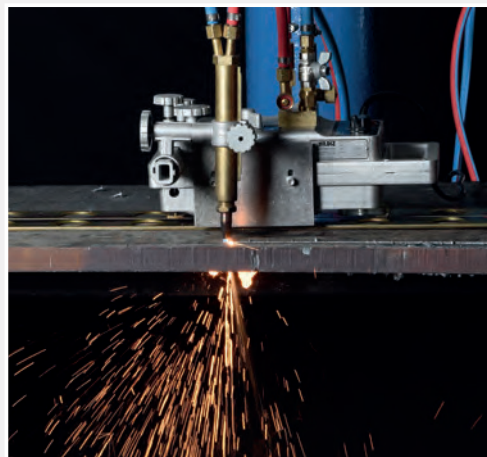


SPARE RAIL

2 mt spare rails for **CC114844**, **CC114845** and **CC116245** automatic cutting machines. Cutting length could be increased by adding 2 mt. and multiple rails for long distance cutting.



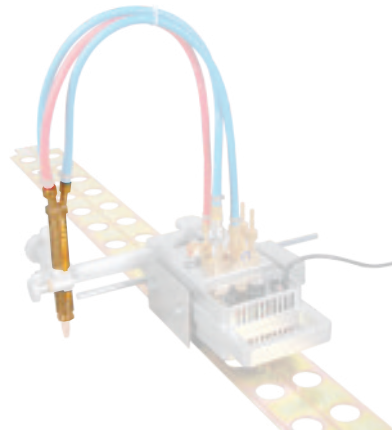
CC116246



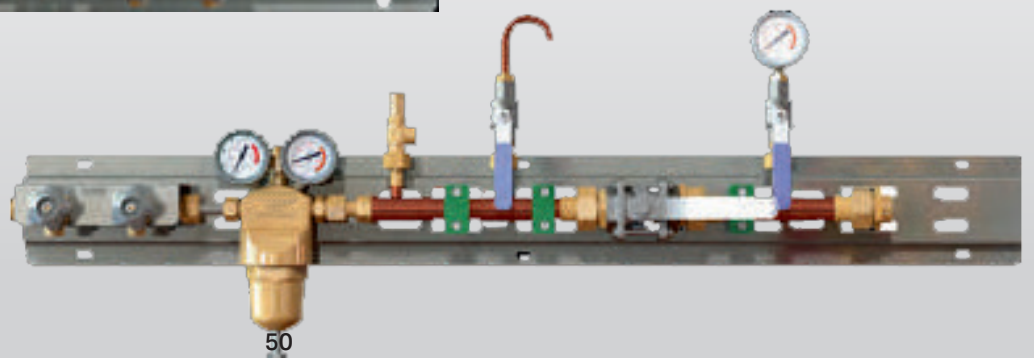
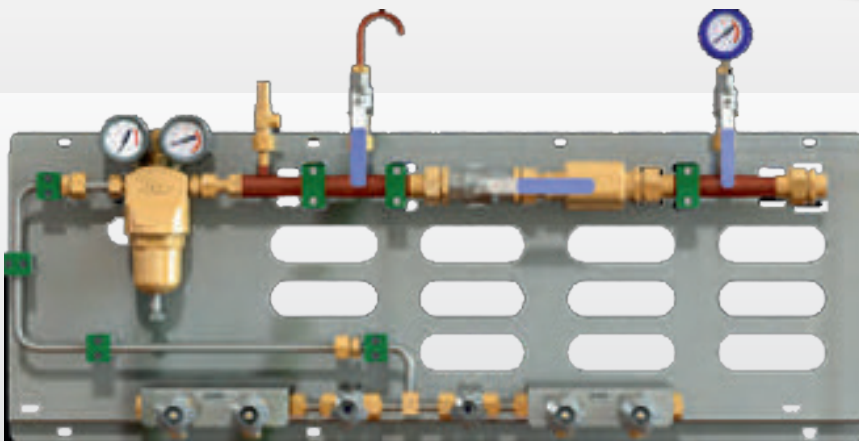
CUTTING TORCHES FOR CUTTING MACHINES

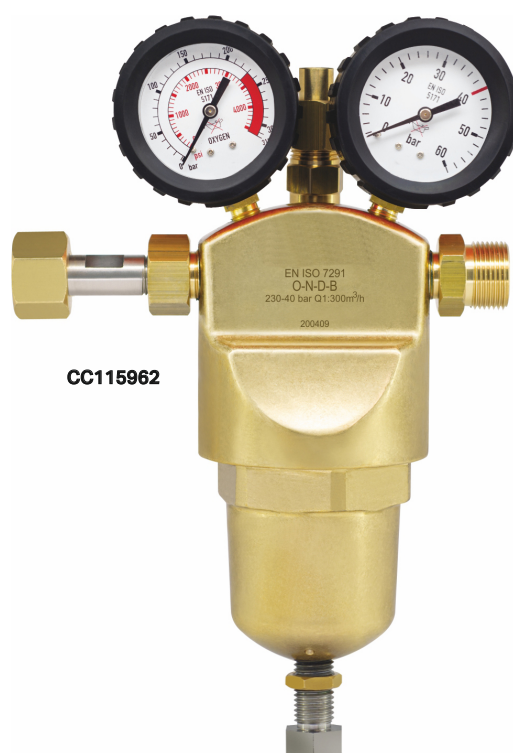
Used with

CC114844 - CC116245



CENTRAL SYSTEMS





CC115962

HIGH PRESSURE-HIGH FLOW PRESSURE REGULATORS

Order No	Gas Type	Inlet Connection	Outlet Connection	Inlet Pressure	Outlet Pressure	Min. Flow (Q1)
CC115962	Oxygen/ nert	W21.8x1/18"	G3/4" Male	0-230 Bar	0-40 Bar	Q1 : 300 m³/h
CC115963	Nitrogen/Argon	G5/8" Male		0-230 Bar	0-10 Bar	Q1 : 300 m³/h

DESCRIPTIONS

- 5050-20 is a high flow, high pressure central system regulator for industrial users.
- 5050-40 is a central system regulator that can be used with gas cylinders or cylinder pallets in accordance with the ISO 14114 standard.
- Complies with ISO 7291 standard
- It can be installed as a central system regulator with 180 ° direct connection.
- Thanks to the integrated inlet filter at the regulator entrance, it is possible to work properly even against the gas coming from old and dirty Installations.
- It has an integrated pressure drain valve.
- It can be used in many applications where constant pressure and high flow are required.
- **Used Areas:** Cutting operations with Oxygen-Fuel Gases and many other Oxygen Fuel Gases processes, laser processes using gas, arc welding, protective gas Pressure stabilization etc.

SINGLE AND DOUBLE POINT OF USE PRESSURE REGULATOR

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Gas Flow	Product Type
CC114653	Argon	G 3/8"	G 1/4"	30 l/min	Double Flowmeter
CC114654	CO ₂				Single Flowmeter

DESCRIPTIONS

- It can be used in applications such as MAG, MIG, TIG, Plasma cutting, Laser cutting.
- Designed with double outlet flowmeter
- Durable flowmeter structure
- Connection fitting suitable for Ø6 - Ø8 mm hoses.



POINT OF USE PRESSURE REGULATORS

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Gas Outlet Pressure	Gas Flow
CC114649	Oxygen	G 3/8"	G 3/8"	0-10 bar	35 m³/h
CC114650	Acetylene	G 3/8" Left	G 3/8" Left	0-1,5 bar	5 m³/h
CC114651	Propane	G 3/8" Left	G 3/8" Left	0-4 bar	5 m³/h
CC114652	Argon/CO ₂	G 3/8"	G 1/4"	-	21 l/min



OTHER ACCESSORIES

Propane cylinder trolley standard	CC114894
Oxygen-acetylene cylinder trolley standard (2 bottles)	CC114890
Oxygen-propane cylinder trolley standard (2 bottles)	CC114891
Oxygen cylinder trolley reinforced	CC114892
Oxygen cylinder trolley standard	CC114893
Spark lighter with torch flint	CC114289
Torch lighter flint (5 pcs)	CC114859
Welding tip cleaner	CC114290
Safety glasses ø50mm	CC114291



NOTES



• Distribution points

📍 Electrex Portugal

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