

GENERAL CATALOGUE

Gas in Action



oxyturbo®



MORE THAN 35 YEARS OF COMMITMENT AND PASSION

Simultaneous arrival and start for Oxyturbo

Oxyturbo was established by a family of entrepreneurs who today still passionately drive the company. Oxyturbo in more than 35 years of business activities reaffirms their original values that has allowed the company to enjoy steady growth: technical expertise, process and product quality, together with delivering a truly customer-focused organisation. Principles all fuelled by the professionalism of a team that has always believed that working seriously and respecting the market can make the difference, reaping rewards in a business sector that becomes more demanding and competitive every day.

Over the past years, the range of Oxyturbo products has been enriched with continuously



A CATALOGUE CONSISTENT WITH THIS MILESTONE

Innovations in line with corporate principles and values

more efficient, versatile and reliable technological solutions. This development process continues to be consistent with their original values and has been structured in fully understanding the needs of the market. Oxyturbo celebrates this incredible milestone of operations with a catalogue of rich, innovative products in various application fields. The company is now celebrating their story by looking to the future and the future of their customers.



AUTHORITY RECOGNISED BY THE MARKET



The Oxyturbo identity is as a partner as well as an effective supplier

Oxyturbo is present in the market as a proactive, safe reference for a wide range of products and a vast span of application fields. In each of these, the company has asserted its identity as a customer partner, based on three key concepts: the search for innovative solutions, product quality assurance, and versatility of response to market demands. The company's established experience, gained with the manufacturing and marketing of hundreds of products, focuses on constant collaboration with its partners, both in Italy and on the worldwide stage. These same partners can attest to the authoritativeness of their "company system".

RESEARCH AND DEVELOP INNOVATION

Exceeding your own limits: the most exciting challenge

Since its inception, Oxyturbo has always aimed to diversify and broaden its offer, both by looking at internationally applied research developments and by developing a strong internal R&D commitment. Oxyturbo research efforts have consistently aimed at introducing increasingly high performing, durable, eco-friendly, innovative systems. The Oxyturbo research team is one of the most prominent facilities in the industry thanks to their functionality, ease of use and safety of the products it has developed.



"TAILOR MADE" SOLUTIONS

Facilitating technical and commercial decisions for customers

Understanding customer needs and making products that meet these requirements have always been the core values behind the relationship between Oxyturbo and the market. Customers find a trusted reference in Oxyturbo, a real "facilitator" of technical and commercial decisions, able to identify and create the solutions that are needed and to contribute to the creation of value. The company also knows how to give the most targeted answers to each specific need, supporting them with an integrated service organisation that plans and delivers an equally versatile supply of products.

PRODUCTION WITH "SMART MANUFACTURING" LOGIC

Avant-garde facilities and 4.0 chain organisation

The Oxyturbo facilities which includes machines and robotic and digital systems have long been the main players in all their main manufacturing phases, even before the concept of Factory 4.0 was affirmed as a must in intelligent industry. Oxyturbo was one step ahead of those developments that today are strategic for modern manufacturing, ensuring production process efficiency, controlling the entire supply chain and safeguarding stringent qualitative parameters. It also ensures the accuracy of finishes and treatments of both metals and other elements and constructive details.



CERTIFIED, SELECTED QUALITY

The certainty of original Oxyturbo reliability



The Oxyturbo quality system is certified to EN ISO 9001. A traceability system is also used to follow the life of each product with a specific "manufacturing memory". The company has also created a special "brand" of origin that guarantees authenticity as "original Oxyturbo". As part of this logic of customer respect, the company focuses on the safety and reliability of products with a very competitive cost range. Selected products from the world market are directly tested for consistency with the company commitment to quality.



ICT LOGISTICS SYSTEM

Digital platforms for combined speed, diversification and precision

Quickness, availability and flexibility are all key components of the Oxyturbo logistics organisation. A proven, modern system with the latest Information Communication Technology, allowing orders to be executed in a fast and accurate manner. This is also bolstered by a dynamic response to constant stock availability of products, which are also equipped with their packaging. The system is controlled with digital platforms and process sensors within the company's commitment to a concrete "environment 4.0".





DIRECT LINE WITH OXYTURBO

Consultation and dialogue are fundamental components for Oxyturbo. It's this customer-oriented focus that really differentiates Oxyturbo. The company has developed an efficient telephone and on-line support service, managed by experienced staff, able to offer valuable technical and technical-commercial responses to quickly address specific needs, or provide useful information to employ the most appropriate specialists for the problem at hand.

GENERAL CONDITIONS OF SALE

The minimum amount of supply is € 250.00

The prices contained in this price list include packing



TRANSPORT

Though shipped carriage paid, goods are always at the customer's own risk. Any claims for damages due either to transport or non-compliance with the order must be made in writing and within 8 days of receipt.



DELIVERIES

The terms confirmed by our sales office are indicative and any delays shall not originate any claims for damages or cancellation of the order. At its sole discretion, the seller may postpone the delivery of part of the order without prior notice to the buyer.



WARRANTY

The warranty is 24 months from delivery on all our products except for our pressure reducers, whose warranty is for 36 months. The warranty covers any manufacturing defects other than those resulting from normal wear, misuse or incorrect use.



RETURNS AND REPAIRS

To provide better service to our customers, any returns outside the warranty period will also be taken into consideration, subject to agreement with our sales department which, having ascertained the nature of the defect, will proceed with preventively approving the ex-factory return. Upon proof of receipt, the cost for the repair will be communicated and will be returned at the customer's expense.



RETURNS DUE TO ORDERING ERRORS

In the event that the customer wishes to return goods that were ordered erroneously, they must apply to our sales office within 5 days of receipt of the goods. The return is ex-works and will be subject to a credit of 80% of the value of the goods, as the return to Oxyturbo will have to be subjected to a quality control and correct re-packaging for customers who shall repurchase the product.



EACH OF OUR PRODUCTS IS SUPPLIED WITH EAN CODE

to facilitate their retail.

READING OUR CATALOGUE

CODE

The code required for ordering products: in some cases it is only numeric, in others it is alphanumeric.

DESCRIPTION

Description of the individual product or package of products.

CLASS K

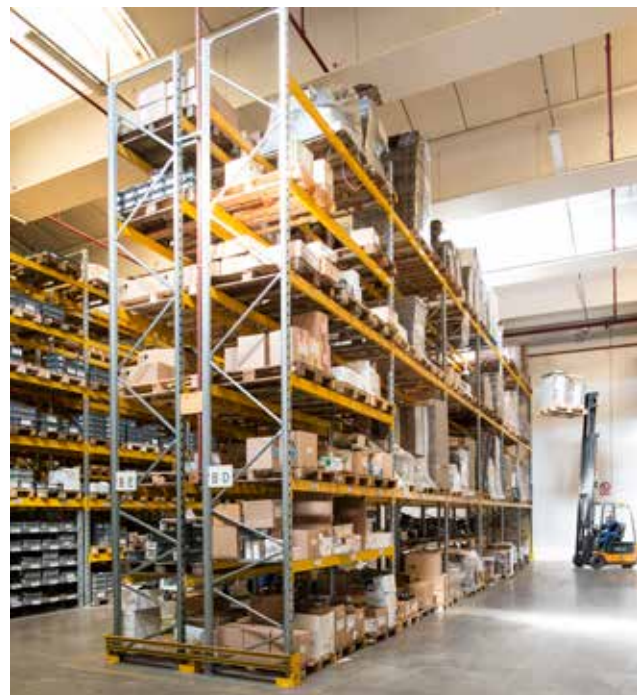
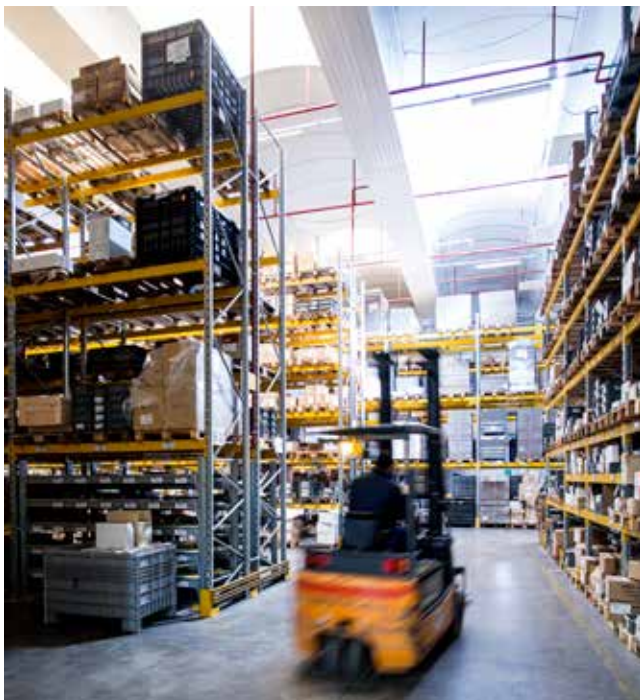
Reducer class based on gas and pressure.

NO. PIECES = PIECES IN THE PACKAGE

The minimum and multiple batch that you can buy of that particular product.

CODE	Description	Class K	P1 (bar)	P2 (bar)	Q1 (m ³ /h)	Weight (kg)	No.Pcs.
294200	MAXIMUM NITROGEN 60 BAR	4	300	60	<150	1,60	6

Code required for ordering the product
 Description of the individual product
 Class K | Pressure reducer class
 P1 | Inlet pressure in bar
 P2 | Outlet pressure in bar
 Q1 | Gas flow in m³/h or lt/min.
 Weight (kg)
 NO.Pcs. | Weight of the individual product apart from the box
 Minimum and multiple batch that you can buy



PRODUCTS ON DISPLAY



BEVERAGE

A range of pressure reducers for carbonating and dispensing beer, wine, soft drinks and water.

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AQUARIUM

A new line designed and developed for passionate aquarium lovers.

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PRODUCTS FOR HELIUM

PAGE

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EMERGENCY PRODUCTS

A series of accessories for professionals in the safety and fire-fighting industry.

PAGE

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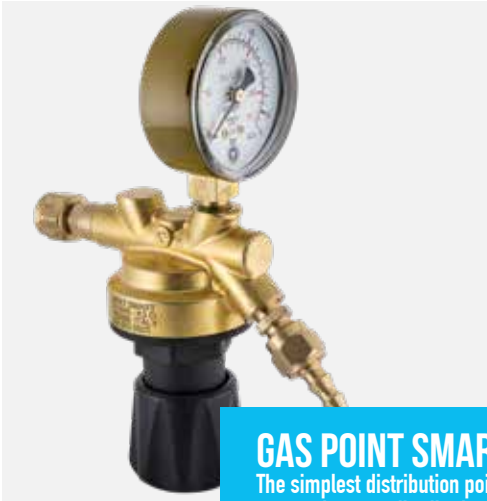


MAJOR HP

The pressure reducer for your conditioning system.

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GAS POINT SMART
The simplest distribution point to complete gas distribution control systems.

PAGE **57**

RACKS AND MANIFOLD SYSTEMS
Essential for an efficient and practical treatment of gas in cylinders.

PAGE **58**



GARDEN
Gas products for the maintenance of outside the buildings

PAGE **131**



MMA WELDING
Inverters and electrodes fit for use in small and medium carpentry.

PAGE **188**



ELECTRONIC MASKS
We have improved our range of welding masks.

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oxyturbo®

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WITH RECHARGEABLE CYLINDERS

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The data and images contained in this catalogue are purely indicative and may be subject to change without notice by Oxyturbo SpA. Photographs and descriptions of products do not have any contractual value.





BEVERAGE OXYTURBO

**BEVERAGE OXYTURBO IS A NEW RANGE
OF PRESSURE REDUCERS
FOR CARBONATING AND DISPENSING BEER, WINE,
SOFT DRINKS AND WATER.**

Ideal for use with CO₂ - Nitrogen and Carbo Nitrogen



PRESSURE REDUCERS FOR CARBONATING AND DISPENSING BEER-WINE-SOFT DRINKS-WATER

Ideal for use with CO₂ - Nitrogen and Carbo Nitrogen



All pressure reducers of the **Beverage** range are designed in compliance with standard EN ISO 2503. They make the cylinder gas available, reducing the pressure required to carbonate and/or dispense water, wine, beer and soft drinks. Our experience and production capacity have allowed us to add a range of high quality products for refillable and disposable cylinders.

FEATURES:

- safety valve
- required marking
- pressure gauges as required by law
- irremovable pressure adjustment device

The pressure reducers of this range have an inlet pressure up to 300 bar, operating pressure from 0.2 bar to 10 bar and are accurately adapted to the requirements of the sector.





SK AND C.S.I. CERTIFICATIONS

All pressure reducers of this range are manufactured in compliance with the standards in force today and have been inspected by SK Zert and by C.S.I. to ensure that the carbonating systems meet food safety requirements in compliance with DIN 6650 Part 5 and Italian Ministerial Decree 174/04.

PRODUCTION CYCLE

Our state-of-the-art production technology allows us to manufacture any prototype without using die-casting moulds, or processing equipment. Therefore, our projects can be customised without any additional cost.

INDIVIDUAL TESTING

To ensure the utmost reliability, our reducers are tested individually during the assembly stage at maximum inlet and outlet pressure. Every single item can be digitally tested upon request.

REQUIRED MARKING

Standard EN ISO 2503 provides the following

- Name or trademark of the manufacturer and/or distributor
- Pressure reducer class –**K**– or operating pressure – **P2**–
- Rated inlet pressure –**P1**–
- Gas for which the reducer is intended.

Standard DIN 6650 Part 5 on food safety provides a marking, which includes the letters SK followed by six digits. The first three identify the manufacturer, with the other three indicating the type of reducer.

Our marking, made through a laser process, also indicates the production batch which allows for traceability and distinguishes an original product from a fake one. Upon request, we can provide a customised marking and manage the serial number of every single unit for large quantities.



IRREMOVABLE PRESSURE ADJUSTMENT DEVICE

Our pressure reducers are provided with an irremovable device to ensure the highest safety during their use at maximum operating pressures.

INTEGRATED CAPSULE

All our pressure reducers are equipped with an INTEGRATED CAPSULE device with a filter containing AISI components which ensures increased reliability and easier maintenance. The high-pressure tablet is made with special PTFE (Teflon) that ensures capsule durability.

AESTHETIC TREATMENT

All our products in the Beverage range are nickel-plated through galvanic electrolysis which is suitable for the parts in contact with food. All reducers' components are nickel-plated to ensure the highest quality and therefore do not pollute the gas used. We no longer use low-cost barrel plating aesthetic treatment systems, which means that we can maintain processing tolerances.

3-YEAR GUARANTEE The reducers in this range are guaranteed for 3 years, except for the pressure gauges. The warranty does not cover accidental dropping.



MACRO

Pressure reducers for refillable cylinders with 1 or more sampling stations (maximum 5 units). Made with the utmost care and in the finest detail using a nickel plating treatment and the highest-quality components.

FEATURES

- ▶ The body and cover are machined directly from brass bar and are nickel-plated, with the safety valve being sealed to the pressure calibration with an anti-tampering system.
- ▶ The connection is on the left or on the right side and has a front pressure regulation system.
- ▶ The high- pressure capsule is made with pin, shutter and a spring to AISI 304 standards ensuring a longer life span. The seal gasket is made in high resistance PTFE.
- ▶ A connection system between the high-pressure shutter and the low-pressure membrane ensures operating pressure self-adjustment during adjusting screw and unscrewing.
- ▶ Provided with a sintered bronze dual-protection filter: one on the cylinder connection injector (which can be inspected for cleaning) and the second inside the high-pressure capsule.
- ▶ Different outlet fittings can be supplied separately upon request (see page 29) together with a place for reducer wall mounting (see page 30).
- ▶ 50 mm diameter pressure gauges.
- ▶ Individual shockproof packaging with internal protection.

**SK APPROVED
IN ACCORDANCE WITH
DIN 6650**

USE

Particularly suitable for beer dispensing as it ensures increased pressure adjustment stability thanks to a food-safe silicone membrane (**p4 = 2.85 bar after 24 h of installation at calibration 3.0 bar**).



MACRO CO₂

CALIBRATION 3/4.8 BAR

In the CO₂ version, calibration at 3 and 4.8 bar provides for Macro pressure reducers with 1 to 5 sampling stations. The reducer can be fixed to the wall with the aid of one or more stainless steel plates, sold separately upon request (see page 30).

Stable connection between the high-pressure shutter and the low-pressure membrane allows users to self-adjust operating pressure on the reducer in the low-pressure chamber. Using the front control, the low-pressure chamber pressure reduces automatically



CALIBRATION 7 BAR



The version for carbonators at 7 bar for mixing with CO₂ provides for Macro reducers from 1 to 5 sampling stations for different sampling levels and, if necessary, a station with a safety valve calibrated to 4.8 or 3 bar.

MACRO NITROGEN

CALIBRATION 4.8 BAR

The Macro reducer is also available in the version for nitrogen with a high-pressure gauge from 0-400 bar and calibration at 4.8 bar. Ideal for dispensing wine and non-carbonated beverages, available with 1 or more sampling stations (maximum 5).



TO ASSEMBLE YOUR MACRO
SEE PAGE 19

MAJORPLUS

**Small dimension pressure reducers for refillable cylinders.
Available with 1 or 5 sampling stations, or in the secondary pressure
reducer version with a low-pressure gauge only.
A very reliable pressure reducer for keeping circuit pressure stable.**

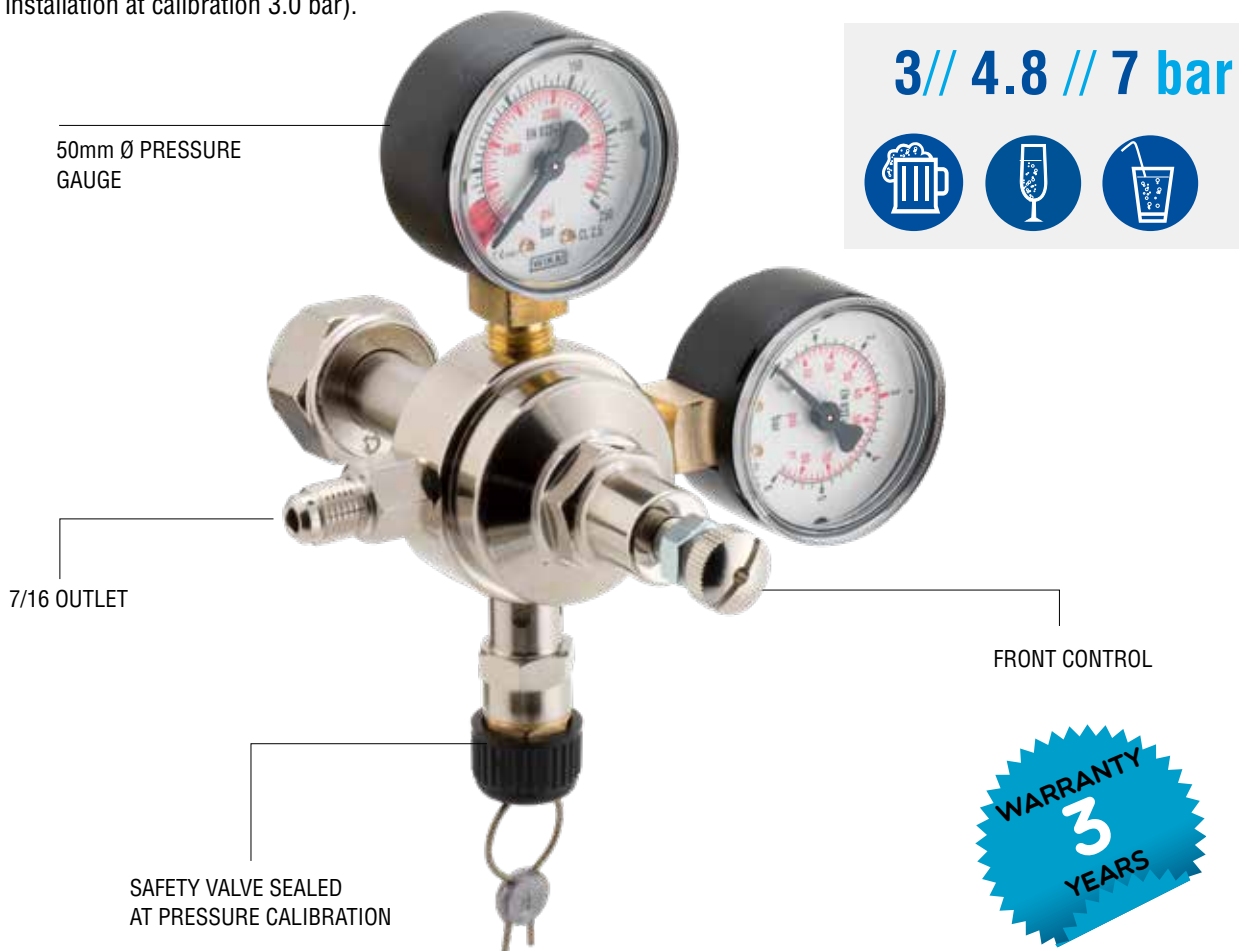
FEATURES

- ▶ The body and cover are machined directly from brass bar and are nickel-plated.
- ▶ The safety valve is sealed to the pressure calibration with an anti-tampering system.
- ▶ Available in the left side connection version or with the 1 station version which also includes a rear connection.
- ▶ Front adjustment system.
- ▶ The high-pressure capsule is entirely made of brass with a tapered PTFE tablet.
- ▶ Pressure vent created by means of a safety valve ring.
- ▶ Provided with a sintered bronze dual-protection filter: one on the cylinder connection injector (which can be inspected for cleaning) and the second inside the high-pressure capsule.
- ▶ Different outlet fittings can be supplied separately upon request (see page 29) together with a place for reducer wall mounting (see page 30).
- ▶ 50mm diameter pressure gauges.
- ▶ Laser markings with technical characteristics as per standard EN ISO 2503.
- ▶ Individual shockproof packaging with internal protection.

**SK APPROVED
IN ACCORDANCE WITH
DIN 6650**

USE

Particularly suitable for beer and beverage dispensing thanks to its pressure adjustment stability ($p_4 = 2.75$ bar after 24 h of installation at calibration 3.0 bar).



MAJORPLUS CO₂

CALIBRATION 3/4.8/7 BAR

TO ASSEMBLE YOUR
MAJORPLUS SEE PAGE 19

3 pressure calibrations are available in the CO₂ version: 3-4.8 and 7 bar. Operating pressure can be adjusted via the safety valve if the reducer is already connected to the gas distribution system in use.



MAJORPLUS NITROGEN

CALIBRATION 4.8 BAR

Majorplus is also available in a version for nitrogen with a high-pressure gauge from 0-400 bar and calibration at 4.8 bar. Ideal for dispensing wine and non-carbonated beverages and perfect for small spaces. Only 1 station version available.



MAJORPLUS SECONDARY

CALIBRATION 3/4.8/7 BAR

Inlet and outlet connections on request. The intermediate secondary pressure reducer feeds a derivation of a dispensing system and is only supplied with a low pressure gauge.



ALWAYS INCLUDED



It is always supplied with a place for reducer wall mounting

CYLINDER CONNECTIONS

GAS	CHIMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	REDUCER INLET NUMBER
ITALY				
Argon	Ar	W24.5 x 1/14"	8 - UNI 11144	3
Carbon dioxide	CO ₂	W21.7 x 1/14"	2 - UNI 11144	1
Nitrogen	N ₂	W 21.7 x 1/14"	5 - UNI 11144	2
GERMANY, AUSTRIA, SWITZERLAND, CZECH REPUBLIC, SLOVAKIA, HUNGARY, POLAND				
Argon	Ar	W21.8 x 1/14"	DIN 477 No.6	1
Carbon dioxide*	CO ₂	W21.8 x 1/14"	DIN 477 No.6	1
Nitrogen	N ₂	W24.32 x 1/4"	DIN 477 No.10	1
* Czech Rep. and Slovakia: CO ₂ G 3/4"				
UK				
Argon	Ar	G 5/8"	BS 341 No.3	3
Carbon dioxide	CO ₂	0.860" x 14 TPI	BS 341 No.8	1
Nitrogen	N ₂	G 5/8"	BS 341 No.3	3
FRANCE				
Argon	Ar	W 21.7 x 1/14"	NF E 29-650/C	1
Carbon dioxide	CO ₂	W 21.7 x 1/14"	NF E 29-650/C	1
Nitrogen	N ₂	W 21.7 x 1/14"	NF E 29-650/C	1
HOLLAND, BELGIUM				
Argon	Ar	W 24.32 x 1/14"	NEN 3268 RU 3	1
Carbon dioxide	CO ₂	W21.8 x 1/14"	NEN 3268 RU 1	1
Nitrogen	N ₂	W24.32 x 1/14"	NEN 3268 RU 3	1
SWEDEN, NORWAY, FINLAND				
Argon	Ar	W24.32 x 1/14"	SS 2238/A	1
Carbon dioxide	CO ₂	W21.8 x 1/14"	SS 2238/A	1
Nitrogen	N ₂	W24.32 x 1/14"	SS 2238/A	1
	C ₃ H ₈	W21.8 x 1/14" Lh		1
SPAIN, PORTUGAL				
Argon	Ar	W21.7 x 1/14"	MIE AP7	1
Carbon dioxide	CO ₂	W21.7 x 1/14"	MIE AP7	1
Nitrogen	N ₂	W21.7 x 1/14"	MIE AP7	1
U.S.A.				
Argon	Ar	CGA 580	CGA V-1	3
Carbon dioxide	CO ₂	CGA 320	CGA V-1	4
Nitrogen	N ₂	CGA 580	CGA V-1	3
Our connections are compatible with all the standards in force.				

CHOOSE YOUR PRESSURE REDUCER MACRO AND MAJORPLUS

See page 20-21

1 Model of pressure reducer (☑):

Macro → 1B

MajorPlus → Kind of body

2B Lateral connection
 3B Intermediate
 4B Rear connection

2 Kind of regulation (☑):

Plastic kob Regulation screw

3 Kind of gas (☑):

(Only for **1B** and **2B**)

CO₂ ARGON NITROGEN

4 No. sampling stations (☑):

(Only for **1B** and **2B**)

1 2 3 4 5

5 Inlet orientation (☑):

(Not for **3B**)

right left

6 Inlet No. (☑):

(Not for **3B**)

1i CYLINDER OUTLET DIMENSION AND COUNTRY:
 2i CYLINDER OUTLET DIMENSION AND COUNTRY:
 3i CYLINDER OUTLET DIMENSION AND COUNTRY:
 4i CYLINDER OUTLET DIMENSION AND COUNTRY:

STANDARD MANUAL

[See page 18](#)

7 High pressure gauge (☑):

(Not for **3B**)

1G 0-250 bar **2G** 0-400 bar **(ONLY FOR NITROGEN)**

8 Low pressure gauge (☑):

1 st station →	<input type="checkbox"/> 3G 0-6 bar R.L. 3 bar	<input type="checkbox"/> 4G 0-6 bar R.L. 4.8 bar	<input type="checkbox"/> 5G 0-10 bar R.L. 7 bar
2 st station →	<input type="checkbox"/> 3G 0-6 bar R.L. 3 bar	<input type="checkbox"/> 4G 0-6 bar R.L. 4.8 bar	<input type="checkbox"/> 5G 0-10 bar R.L. 7 bar
3 st station →	<input type="checkbox"/> 3G 0-6 bar R.L. 3 bar	<input type="checkbox"/> 4G 0-6 bar R.L. 4.8 bar	<input type="checkbox"/> 5G 0-10 bar R.L. 7 bar
4 st station →	<input type="checkbox"/> 3G 0-6 bar R.L. 3 bar	<input type="checkbox"/> 4G 0-6 bar R.L. 4.8 bar	<input type="checkbox"/> 5G 0-10 bar R.L. 7 bar
5 st station →	<input type="checkbox"/> 3G 0-6 bar R.L. 3 bar	<input type="checkbox"/> 4G 0-6 bar R.L. 4.8 bar	<input type="checkbox"/> 5G 0-10 bar R.L. 7 bar

9 Outlet No. (☑):

1o 2o 3o 4o 5o 6o

7o 8o 9o 10o 11o

Pressure reducers with multiple sampling stations are supplied with the same outlet for each station.

ASSEMBLE YOUR

INLET



1i



2i



3i



4i

MANUAL FIXING
DISPOSABLE ON REQUEST



KIND OF BODY



1B



2B



3B

OUTLET

10



Y connection

20



Ball valve G1/4"

30



Duck bill

OUTLET

40



G 1/4"

50



G 1/2"

60



G 3/4"

70



G 5/8"

MACRO OR MAJORPLUS

REGULATION WITH
PLASTIC KNOB ON REQUEST



HIGH PRESSURE GAUGE



1G



2G

LOW PRESSURE GAUGE



3G



4G



5G

80



G 7/16"

90



Hose connection
ø 7.2/11 mm

100



Quick JG metric
connection

110



Quick JG
inches connection

MAJOR

**Single food-safe pressure reducer for any size of refillable cylinders.
Designed for gas flows with no frosting or condensate risks.**

FEATURES

- ▶ Body and cover are machined directly from brass bar and are nickel-plated.
- ▶ The cylinder connection is in the rear and the pressure adjustment system is in the front.
- ▶ Supplied with a John Guest quick coupling fitting for 6mm outlet piping.
(Other outlet connections to be ordered separately are available on page 29.)
- ▶ 40mm diameter pressure gauges
- ▶ Individual packaging

USE

Particularly suitable for **household water** carbonating systems.

With the Major pressure reducer in addition to reducing the pressure, users can also adjust outlet pressure by means of the front adjusting knob. This version is equipped with 2 pressure gauges, allowing users to view the quantity of gas inside the cylinder and the necessary carbonating level

3 // 4.8 // 5.5 bar



40mm Ø PRESSURE GAUGE

LASER MARKINGS

JOHN GUEST
QUICK COUPLING

SAFETY VALVE

FRONT ADJUSTMENT KNOB

WARRANTY
3
YEARS

MAJOR CO₂

CALIBRATION 3//4.8 //5.5 BAR



3 different pressures are provided for in the version for CO₂:

- P2=3 bar and Q1=6.5 m³/h
- P2=4.8 bar and Q1=9.5 m³/h
- P2=5.5 bar and Q1=11 m³/h

Each pressure reducer is available in versions with two pressure gauges. Either with a low-pressure gauge, or without any pressure gauges.

MAJOR NITROGEN

CALIBRATION 5.5 BAR



The nitrogen version involves an outlet pressure of 5.5 bar with 11 m³/h distribution.

Available with 2 pressure gauges, with only a low-pressure gauge or without any pressure gauges.

All our cylinder connection nuts have thread designation.

TO ASSEMBLE YOUR MAJOR
SEE PAGE 24



CHOOSE YOUR PRESSURE REDUCER MAJOR

1 Kind of gas (CO₂ NITROGEN

2 Inlet No. (1i CYLINDER OUTLET DIMENSION AND COUNTRY 2i CYLINDER OUTLET DIMENSION AND COUNTRY 3i CYLINDER OUTLET DIMENSION AND COUNTRY 4i CYLINDER OUTLET DIMENSION AND COUNTRY

See page 18

3 High pressure gauge (1G 0-315 bar no H.P. gauge

4 Low pressure gauge (- 2G 0-4 bar R.L. 3 bar
- 3G 0-6 bar R.L. 3 bar
- 4G 0-10 bar R.L. 3 bar
- no L.P. gauge 0-6 bar R.L. 3 bar

5 Outlet No. (1o 2o 3o 4o 5o

ASSEMBLE YOUR MAJOR

BODY



HIGH PRESSURE GAUGE



1G

LOW PRESSURE GAUGE



2G



3G



4G

OUTLET



1o

Quick JG metric connection



2o

Quick JG inches connection



3o

Hose connection
ø 6.5/7.3mm



4o

Ball valve



5o

7/16" (1/4 SAE)

MINOR

Compact, professional pressure reducers for disposable cylinders, ideal for dispensing wine and beer and for carbonating. Indispensable for household use.

FEATURES

- ▶ Body and cover are machined directly from brass bar and are nickel-plated.
- ▶ Available in a front or vertical version pressure adjusting knob.
- ▶ Supplied with a John Guest quick coupling fitting for 6mm outlet piping. (Other outlet connections to be ordered separately are available on page 29)
- ▶ 40mm diameter pressure gauges
- ▶ Individual packaging.

USE

Designed for incoming pressure of maximum 160 bar, operating pressure of 5.5 bar and Q1= 11 m³/h distribution. When used with special adaptors, Minor can also be applied to refillable cylinders. Also available upon request, acme cylinder connections which are used on many manual carbonators.

5.5 bar



VERTICAL PRESSURE
ADJUSTMENT

WARRANTY
3
YEARS

40mm Ø PRESSURE GAUGE





371200



371202

These pressure reducers are especially suitable for carbonating systems and for small beer dispensers, with a maximum outlet pressure of 5.5 bar.

The low-pressure gauge is used to display the set carbonation level, while the high-pressure gauge indicates the quantity of gas inside the cylinder. The **acme connection** is derived directly from reducer body machining without the need to add any conversion fittings.

CODE	Description	Cylinder thread	H.P. gauge (bar)	L.P. gauge (bar)	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
371000	MINOR CO ₂ no gauges	M11x1	-	-	0.32	50	46 x 29.5 x 26	16.20
371300	MINOR CO ₂ L.P. gauge	M11x1	-	0-10	0.38	30	41 x 36 x 24	11.60
371200	MINOR CO ₂ 2 gauges	M11x1	0-315	0-10	0.44	16	41 x 36 x 24	7.20
371002	MINOR CO ₂ no gauges	ACME	-	-	0.34	50	46 x 29.5 x 26	17.20
371302	MINOR CO ₂ L.P. gauge	ACME	-	0-10	0.40	16	41 x 36 x 24	6.60
371202	MINOR CO ₂ 2 gauges	ACME	0-315	0-10	0.46	30	41 x 36 x 24	14.00

A special adaptor can be used with Minor for vertical adjustment with acme cylinders.

Made for the same use as Minor with vertical pressure adjustment but with a front knob that permits easy pressure adjustment even in small spaces. The front pressure gauges allow for immediate pressure readings.



381200

CODE	Description	Cylinder thread	H.P. gauge (bar)	L.P. gauge (bar)	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
381000	MINOR CO ₂ no gauges	M11x1	-	-	0.30	50	46 x 29.5 x 26	15.20
381300	MINOR CO ₂ L.P. gauge	M11x1	-	0-10	0.35	30	41 x 36 x 24	10.70
381200	MINOR CO ₂ 2 gauges	M11x1	0-315	0-10	0.42	16	41 x 36 x 24	12.80
381002	MINOR CO ₂ no gauges	ACME	-	-	0.32	50	46 x 29.5 x 26	16.20
381302	MINOR CO ₂ L.P. gauge	ACME	-	0-10	0.37	30	41 x 36 x 24	11.30
381202	MINOR CO ₂ 2 gauges	ACME	0-315	0-10	0.48	16	41 x 36 x 24	14.60

A special adaptor can be used with Minor for vertical adjustment with acme cylinders.

ADAPTORS



490780



490781



490880



490783

The adaptors allow for refillable cylinder installation on the carbonator on which smaller size disposable cylinders were originally installed. This also makes Minor reducer use possible with refillable cylinders.

The adaptor with a nylon gasket is best suited for continuous reducer use.

Also available with an adaptor for Minor M11x1 use on acme cylinders.

CODE	Description	Weight (kg)	No.Pcs.
490780	Adapter M11x1 - W21.8 with nylon gasket	0.097	1
490781	Adapter M11x1 - W21.8 with o-ring	0.100	1
490880	Adapter ACME - M11x1 H=7.5mm	0.066	1
490783	Adapter M11x1 - W21.8x1/14 Rhe	0.065	1

CAUTION: always screw the adaptors onto the pressure reducer first and then install the complete reducer on the cylinder.

SPECIAL APPLICATIONS

MAJORMIX

MINORMIX

Reducers ideal for wine cellars that use nitrogen. Their small size, make them particularly suitable for household devices that use both disposable and refillable cylinders.



Majormix



Minormix

The Oxyturbo range also includes dual-station reducers (reducer and pre-reducer) with sensitive and more stable pressure adjustment from 0.2 to 0.5 bar on the second station. Both reducers are supplied with a ball valve and John Guest quick coupling for a 6mm hose at outlet, and with a dual-safety valve to prevent dangerous overpressure during use. Both the Majormix and the Minormix have two pressure gauges: 50mm diameter for the former on the first station and 40mm diameter on the second station. Both (high and low pressure) are 40mm diameter for the latter.



BEVERAGE GAUGES



Our pressure gauges are sturdy and offer accurate measuring. They are equipped with an anti-burst system at the rear of the metal case. The white background dial ensures easy readability.

CO₂ HIGH PRESSURE

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
Q5020104I	MACRO-MAJORPLUS	HIGH	50	G1/4-R	0-250	-
Q4020100I	MAJOR	HIGH	40	G1/8-R	0-315	230
Q4020100I	MINOR	HIGH	40	G1/8-R	0-315	230

CO₂ LOW PRESSURE

Q5060106I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-6	4,8
Q5060107I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-6	3
Q5100102I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-10	7
Q4040100I	MAJOR	LOW	40	G1/8-R	0-4	3
Q4060150I	MAJOR	LOW	40	G1/8-R	0-6	4
Q4100150I	MAJOR	LOW	40	G1/8-R	0-10	6
Q4100150I	MINOR	LOW	40	G1/8-R	0-10	6

NITROGEN HIGH PRESSURE

Q5030103I	MACRO-MAJORPLUS	HIGH	50	G1/4-R	0-400	300
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NITROGEN LOW PRESSURE

Q5060106I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-6	4,8
Q5060107I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-6	3

*R= radial connection

PRESSURE GAUGE GASKETS

CODE	Description	No.Pcs.
D0943001	Pressure gauge gasket G1/8	100
D0943002	Pressure gauge gasket G1/4	100

OUTLET CONNECTIONS

Brass outlet connections are all equipped inside with a duck bill valve to prevent the return of gas or undesired liquid flows.



C1198400

C2018402



C2008403

C1198402



G4609000

G4609002

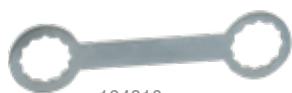


C1098000

S2799000

CODE	Description	No.Pcs.
MACRO - MAJORPLUS		
C1198402	G7/16" – 20 UNF (1/4 SAE) fitting	1
C1138400	G1/2" fitting	1
C1198414	G1/4" fitting	1
C1148400	G3/4" fitting	1
C1198403	G5/8" fitting	1
C1098003	Quick JG 1/4" connection – hose Ø 6mm	1
C1098009	Quick JG 1/4" connection – hose Ø 8mm	1
C1098011	Quick JG 1/4" connection - hose 3/8" inch.	1
C2018402	Hose connection ø7.2/11mm	1
G4609000	BALL VALVE M/F – G1/4"	1
C1198400	Y fitting G1/4	1
S2019001	Y assembly with 2 ball valves and 2 hose holders with duck bill	1
S2799000	Complete duck bill	1
MAJOR - MINOR		
C1098004	Quick JG 1/8" - hose ø 4mm	1
C1098000	Quick JG 1/8" - hose ø 6mm	1
C1098006	Quick JG 1/8" - hose ø 8mm	1
C1098001	Quick JG 1/8" - hose 1/4" inch.	1
C1098007	Quick JG 1/8" - hose 5/16" inch.	1
C2008403	Hose connection ø6.5/7.3mm	1
G4609002	Ball valve M/F – G1/8"	1

ACCESSORIES FOR MACRO AND MAJORPLUS



194810



194820

CODE	Description	No.Pcs.
194810	Double ring spanner size CH28 – CH30	1
194811	Double ring spanner size CH30 – CH32	1
194820	Stainless steel bracket kit for MACRO and MAJORPLUS wall mounting	1
C1999471	2-outlet distributor 7/16"Rhe with duck bill valve inlet 7/16"Rhi	1
C1999472	4-outlet distributor 7/16"Rhe with duck bill valve inlet 7/16"Rhi	1
C1999470	6-outlet distributor 7/16"Rhe with duck bill valve inlet 7/16"Rhi	1



C1999471



C1999472



C1999470

HIGH PRESSURE PIPING FOR MACRO AND MAJOR



CODE	Description	No.Pcs.
9F001000	High pressure food-grade piping for CO ₂ reducer L=100 cm (manual unscrewing)	1
9F001800	High pressure food-grade piping for CO ₂ reducer L=180 cm (manual unscrewing)	1
9F011000	High pressure food-grade piping for N ₂ reducer L=100 cm	1
9F011800	High pressure food-grade piping for N ₂ reducer L=180 cm	1

FOOD-GRADE GAS CYLINDERS



485400



485500



485601



484460

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
485400	FOOD-GRADE CO ₂ CYLINDER E290 600g M11X1 with foot stand	1.72	12	32 x 24 x 34	20.70
485500	FOOD-GRADE CO ₂ CYLINDER E290 850g M11X1 with foot stand	2.45	6	16 X 25 X 45	14.80
484360	FOOD GRADE N ₂ CYLINDER E941 110BAR M11X1 with foot stand 950 cc	1.30	12	32 x 24 x 34	15.70
485601	FOOD-GRADE CO ₂ CYLINDER E290 M11X1 2.2 L with foot stand	4.00	4	24 x 24 x 40	16.20
484460	FOOD GRADE N ₂ CYLINDER E941 110BAR M11X1 2,2 L	3.00	4	24 x 24 x 40	12.10

Food-grade gas cylinders are all supplied with a plastic support to keep them permanently upright.



AQUARIUM

Oxyturbo presents a new line designed and developed for passionate aquarium lovers.

Our reducers and adaptors for aquariums are the result of an evolution of Oxyturbo products and production lines, whose goal is to help improve the health and well-being of fish and plants, together with the satisfaction of aquarium lovers. These CO₂ dispensing systems are for both freshwater and marine aquariums.

The carbon dioxide promotes the chlorophyllin photosynthesis process enabling healthy, consistent growth of plants, together with stabilising PH levels.

Pressure reducers for aquariums are equipped with two 40mm diameter pressure gauges for simple, immediate use. making it easy to check both the delivery pressure on the low-pressure gauge and the cylinder pressure on the high-pressure gauge. They are available in three versions:

MAJOR2 // MINOR2 // MINIMUM

EN ISO 2503

MAJOR2

Elegant series of single body pressure reducers for aquariums, can be used with refillable cylinders.

FEATURES

Reducer with 2 pressure gauges complete with bubbles counter valve and 6/4mm diameter quick connection with adjustable operating pressure up to a maximum of 2 bar. Equipped with rear connection and front adjusting knob.

Adaptor for use on Major2 with disposable cylinders available upon request.

USE

Ideal for refillable cylinders with standardised pressure and flow.



CODE	Description	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack.Weight (kg)
365760	MAJOR 2 with 2 gauges and bubbles counter with quick connection	0.65	16	41 X 36 X 24	10.60

EN ISO 2503

MINOR2

Reducer for M10x1 disposable cylinders.

FEATURES

Reducer with 2 pressure gauges complete with outlet with bubbles counter valve and quick connection for 6/4mm diameter hose and with adjustable operating pressure up to a maximum of 2 bar. Also available in two versions: with front or vertical adjusting knob. **Adaptors for Minor2 use also on refillable or acme cylinders available upon request.**

USE

Made for minimum pressures and distribution, ideal for disposable cylinder use aquariums.



VERTICAL PRESSURE ADJUSTMENT

40mm Ø PRESSURE GAUGE

QUICK CONNECTION FOR 6/4mm Ø HOSE



385761

CODE	Description	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack.Weight (kg)
385761	MINOR 2 with 2 gauges, front regulation knob and bubbles counter with quick connection	0.47	16	41 X 36 X 24	7.70
375761	MINOR 2 with 2 gauges, vertical regulation knob and bubbles counter with quick connection	0.49	16	41 X 36 X 24	8.00

MINIMUM

New generation pressure reducer for M10x1 disposable cylinders

FEATURES

A very new piston reducer without pressure gauges, complete with quick connection for 6/4mm diameter hose at the outlet and with fixed, non-adjustable operating pressure calibrated to 2 bar. This permits very precise distribution that does not change over time. All the components of the larger range reducers are concentrated in this smaller reducer. The bubbles counter valve is integrated directly into the reducer body machining which allows optimal space reduction.

USE

Suitable for self-adjusting piston technology, or rather automatically adjusts the output CO₂ at the drop of the cylinder pressure while maintaining CO₂ dispersion stable. All of this combined with the safety valve ensures maximum reliability and makes it particularly suitable for both freshwater and marine aquariums.



BUBBLES COUNTER KNOB

OVERPRESSURE RELIEF HOLE

QUICK CONNECTION FOR Ø 6/4mm HOSE

CODE	Description	P1 (bar)	P1 (bar)	Q1 (lt/min)	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
235001	MINIMUM M10X1	60	2	6	0.22	50	46 X 29.5 X 26	11.20

ADAPTERS



CODE	Description	Weight (kg)	No.Pcs.
490981	M10x1Rhe adapter with O.Ring W21, 8Rhi for Minor2	0.097	1
490982	M10x1Rhe adapter with Nylon gasket W21, 8Rhi for Minor2	0.096	1
490881	ACME adapter for Minor2	0.065	1
490983	M10x1Rhi adapter W21,8Rhe for Major2	0.066	1

ACCESSORIES

Oxyturbo provides a series of accessories and spare parts to satisfy even the most demanding aquariums. Thanks to our 20 years' experience in the industry, our adjusting taps allow for precise distribution control, thanks to the presence of a special AISI 304 stainless steel cone. Our 2 or 3-outlet distributors enable multiple CO₂ distribution in numerous aquariums. They are equipped with adjusting taps and 6/4mm diameter quick connections on each outlet. They are also available with a no-return valve (NRV) on each individual outlet.



G2509903



C1098402

BUBBLES COUNTERS

CODE	Description	Weight (kg)	No.Pcs.
G2509903	Bubbles counter	0.05	1
C1098402	Quick connection for ø 6/4mm hose complete with gasket	0.02	1

DISTRIBUTORS

CODE	Description	Weight (kg)	No.Pcs.
G2809410	3-OUTLET G1/8 gas distributor with bubbles counter ø 6/4. Inlet ø 6/4	0.33	1
G2809411	3-OUTLET G1/8 gas distributor with bubbles counter ø 6/4 + non return valve. Inlet ø 6/4	0.38	1
G2809415	2-OUTLET (+ CAP) G1/8 gas distributor with bubbles counter ø 6/4. Inlet ø 6/4	0.28	1
G2809416	2-OUTLET (+ CAP) G1/8 gas distributor with bubbles counter ø 6/4 + non return valve. Inlet ø 6/4	0.35	1



G2809410



G2809411



G2809415



G2809416

SOLENOID VALVES



299900



299902



299901

Solenoid valves allow for automatic carbon dioxide flow distribution by means of timer or control devices installed on the aquarium for more convenient CO₂ emission. This prevents strong pressures from entering into the aquarium. Our solenoid valves are all provided with connectors.

CODE	Description	Weight (kg)	No.Pcs.
299900	Solenoid valve M G1/8 - F G1/8 230V-2W 0-16bar	0.30	1
299901	Solenoid valve M G1/8 - ø 6/4 230V-2W 0-16bar	0.30	1
299902	Infra-hose solenoid valve - ø 6/4 230V-2W 0-16bar	0.30	1

AQUARIUM GAUGES



CO₂ HIGH PRESSURE

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
Q40201001	MAJOR2	HIGHT	40	G1/8-R	0-315	230
Q40201001	MINOR2	HIGHT	40	G1/8-R	0-315	230

CO₂ LOW PRESSURE

Q40401001	MAJOR2	LOW	40	G1/8-R	0-4	3
Q40401001	MINOR2	LOW	40	G1/8-R	0-4	3

*R= radial connection

DISPOSABLE CYLINDERS



485300



485600

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
485300	CO ₂ CYLINDER 390g M10x1RH 950 CC	1.60	12	32 x 26 x 34	19.40
485600	CO ₂ CYLINDER 2,2 L 1200g M10X1RH with foot stand	4.00	4	24 x 24 x 40	16.60



PRODUCTS FOR HELIUM

Helium is the second most common element in the universe after hydrogen. Given its low density, it is an excellent albeit expensive substitute. Unlike hydrogen, it has the advantage of not being flammable and is therefore considered safer. It is an inert gas, so it does not react unless subjected to high pressures and to very low temperatures and has an extremely low boiling point. This makes it ideal for many applications including the inflation of aerostatic balloons and balloons for fun.



MAJORFLY

The practical, fast way to inflate your balloons

Oxyturbo offers a new helium reducer with a plastic dispenser for latex, PVC and mylar balloons with pressure gauge for cylinder pressure control. Convenient, fast, practical and safe it comes with a refillable cylinder connection.

FEATURES

- Body and cover machined directly from brass bar
- 40 mm diameter high pressure gauge
- Quick but progressive opening thanks to the rubber dispenser
- Calibration fixed at 5.5 bar

FOR REFILLABLE
CYLINDERS ONLY

WARRANTY
3
YEARS



RUBBER DISPENSER

MANUAL FIXING

K pressure reducer class 4 - P1 Inlet pressure 200 bar - P2 Outlet pressure 5.5 bar - Q1 standard delivery flow 5 m³/h

GAS	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
HELIUM	237194.01	237199.01	237193.01	237199.01	237197.00	237195.01	237192.01	237196.01

Weight of pressure reducer **0.70 Kg** - No.Pcs. **16** - Packaging dimensions (l x w x h) **41 x 36 x 24 cm** - Packaging weight **12.20 Kg**

CYLINDERS FOR HELIUM



487400

These are full helium gas cylinders supplied in the 110-bar disposable version with **2 dispensers**. The 2.2 litre cylinder is also supplied with a pack of 30 balloons and ribbon and is packaged in an individual lithographed box.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
487300	Helium cylinder 110bar M10x1 950 ml	1.30	12	31 x 23 x 34	15.80
487400	Helium cylinder 110bar M10x1 2,2 L with foot stand and accessories	3.10	4	24 x 24 x 40	12.60

EMERGENCY PRODUCTS



A series of accessories for professionals in the safety and fire-fighting industry

Technological research and the continuous development of innovative products allow us to be a customer-oriented company. At Oxyturbo we have created a series of products to serve the safety industry and professionals responsible for the installation, and maintenance of fire-fighting and emergency devices. Here is a list of some of our flagship products:

- **Maxy Lift:** The reducer for pneumatic lifting units. Indispensable for lifting heavy weights or creating room between heavy and hard items
- **Maxy Plus:** For pressurising fire extinguishers after the refilling process
- **Bioflamme:** To safely ignite fire simulation tanks

MAXY LIFT

Power system for emergency interventions

FEATURES

This kit includes: A MAXY POWER CONTROL pressure reducer for industrial compressed air with a capacity of 60 m³ at a pressure of 14 bar, a 2 metre-long rubber inflating pipe and a quick coupling for insertion in lifting bags or emergency equipment. The reducer reduces the high pressure of the compressed air inside the cylinder down to a suitable operating pressure. The air pressure is kept constant even when the air flow varies.

The pipe complies with standard ISO 1307 for operating pressures up to 20 bar.



K pressure reducer class 4 - P1 Inlet pressure 300 bar - P2 Outlet pressure 14 bar - Q1 standard delivery flow 60 m³/h

GAS	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
AIR	268500.OXY	268503.OXY	268503.OXY	-	268509.OXY	268503.OXY	268508.OXY	268501.OXY

Weight of pressure reducer 2.10 Kg - No.Pcs. 6 - Packaging dimensions (l x w x h) 41 x 29 x 22 cm - Packaging weight 12.80 Kg

MAXY PLUS

Reducer for pressurising fire extinguishers

Standard UNI 9994 describes 4 maintenance stages for fire extinguishers (surveillance, control, revision, and final testing) and indicates the frequency with which they must be carried out. Maintenance technicians must always have a pressure reducer at hand to pressurise fire extinguishers with nitrogen. Oxyturbo have designed a professional reducer to be used with refillable nitrogen cylinders.



FEATURES

- The body and cover originate from a brass mould
- Gas flow adjustment knob
- Two 63 mm Ø pressure gauges
- 5 m Rilastollan spiral pipe (Ø 8x5)
- Flashback arrestor valve on the open/close tap of the pipe

USE

Permits use of nitrogen up to 300 bar and enables outlet supply up to 20 bar. The spiral pipe has a 1/4MG connection and is equipped with an open/close tap to facilitate the use of the reducer.



K pressure reducer class 5 - P1 Inlet pressure 300 bar - P2 Outlet pressure 14 bar - Q1 standard delivery flow 60 m³/h

GAS	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	264500MP.20	264501MP.20	264503MP.20	264502MP.20	264509MP.20	264504MP.20	264502MP.20	264508MP.20

Weight of pressure reducer 1,85 Kg - No.Pcs. 6 - Packaging dimensions (l x w x h) 53 x 25 x 37.5 cm - Packaging weight 11.30 Kg

IGNITION ROD

Flame simulator ignition rod

It is a practical and safe solution to ignite the flame of the fire simulator tank without risks and at a safe distance. The rod is 75 cm long and incorporates a piezo ignition. It also features a practical anti-slip handgrip.

FEATURES

- Pin point burner (Ø 25mm)
- Equipped with flame adjustment tap
- Powered with a propane/butane cartridge with a 7/16" valve

To be used outdoors, or in well-ventilated environments only.



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
571860	Ignition rod with 1 gas cartridge in colour box	1.48	5	80.5 x 38 x 22	7.60

GAS CARTRIDGES



Gas cartridges (Ø 65) are equipped with a 7/16" valve to loosen them from the appliance, even when they are not completely empty. They contain a propane/butane gas mixture

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
483150	Propane/butane 30/70 gas cartridge 330g	0.46	24	42 x 29 x 28	11.30



OXYKLYMA

For periodic checks of air conditioning systems which are necessary to maintain good efficiency-performance ratios on systems, together with the safety and health of equipment,

Oxyturbo proposes a series of dedicated products:

The pressure reducers

MEGA HP200



the new 200 bar reducer for R744 systems (CO₂)

MAJOR HP

Three kits in the case:

Klyma Kit 1000

Klyma Kit 900

Klyma Kit 800

A collection of useful spare parts now completes the range.



EN ISO 2503



MEGA HP200

Nitrogen reducer (0-200 bar) fit for preventive leak testing and piping cleaning for R744 systems (CO₂)



Ø 63mm pressure gauges supplied with protective cap

R744 systems can be used in a variety of industrial and non-industrial applications, such as the conditioning market for cars and other vehicles, cabinets for supermarkets, containers, and climate-controlled residential systems. An R744 system reaches a pressure of up to 133 bar. The high pressure in R744 systems corresponds to a high heat dissipation mainly carried out at pressure levels above the critical point. **The Mega HP200 reducer is suitable for verification and maintenance of this system.**

FEATURES

- Body and cover machined directly from brass bar
- Front adjusting knob
- Two Ø 63mm pressure gauges 0-400 bar
- Outlet pressure 200 bar

USE

Permits use of nitrogen with an inlet pressure up to 300 bar and enables outlet supply > 300 m³/h at 200 bar.



P1 Inlet pressure 300 bar - P2 Outlet pressure 200 bar - Q1 standard delivery flow >300 m³/h

GAS	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	294200HP	294209HP	294203HP	294202HP	2942049HP	294204HP	294202HP	294205HP

Weight of pressure reducer 2.15 Kg - No. Pcs 4 - Packaging dimensions (l x w x h) 30.5 x 45.5 x 16.5 cm - Packaging weight 8.80 Kg



EN ISO 2503

MAJOR HP

The professional reducer for your conditioning system.

The new Major HP professional reducer is ideal for use with nitrogen air conditioning system testing. Practical, small and handy, the reducer is supplied with 2 63mm diameter pressure gauges and a 1/4 SAE outlet fitting to which the 5/16 SAE fitting, sold separately, can be attached. The Major HP can also be supplied with a fastening support and protection for a host of heavy duty uses.

FEATURES

- Body and cover machined directly from brass bar
- Front adjusting knob
- Two 63 mm Ø pressure gauges
- Outlet pressure 60 bar

USE

Permits use of nitrogen up to 300 bar and enables outlet supply up to 50 m³/h.

FOR
CONDITIONING

63 mm Ø PRESSURE GAUGES, FOR BETTER VISIBILITY

OVERPRESSURE RELIEF VALVE

The Major HP is also available in an "armoured" version without caps but does however come with a **stainless steel polished plate** to protect pressure gauges from impact. (see page 49)

USED GAS:
NITROGEN
AZOIDRO*

APPROVED UP TO **300 BAR**

WARRANTY
3
YEARS

ARMOURED MAJOR HP 60BAR

P1 Inlet pressure 300 bar - P2 Outlet pressure 60 bar - Q1 standard delivery flow 50 m³/h

GAS	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN AND AZOIDRO*	394220	394221	394223	394222	394224	399421	394222	394225

Weight of pressure reducer **0.96 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **6.00 Kg**

ARMOURED MAJOR HP

NITROGEN AND AZOIDRO*	394220.99	394221.99	394223.99	394222.99	394224.99	399421.99	394222.99	394225.99
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Weight of pressure reducer **1.20 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37 cm** - Packaging weight **7.50 Kg**

KLYMA KIT

Practical kits containing all the equipment you'll need for checking and maintaining air conditioning systems.

CAN BE USED FOR:

- Pressure loss monitoring of HVAC and A/C systems
- HVAC and A/C system washing
- Flushing during welding in HVAC and A/C systems
- Pressure switch calibration testing
- Pressure gauge calibration testing

The term **flushing** means the removal using fluid transport of contaminants of various natural bodies present within piping and/or equipment. To achieve this result the carrier fluid is released into circulation by means of suitable pumps to meet these conditions ensuring that certain turbulent flow conditions are met and are suitable for transporting contaminants. Flushing operations mainly involve hydraulic and lubrication circuit piping.

HVAC is an English abbreviation, widely used in all fields of industry, which stands for *Heating, Ventilating and Air Conditioning*.

KLYMA KIT 1000



The professional equipment contained in the Klyma 1000 Kit allows for tightness testing of the system, together with its washing during any welding operations with slight nitrogen flushing. The case has been designed to hold, as required, a 2.2 litre nitrogen cylinder (supplied separately) in place of a 1-litre cylinder, by simply removing part of the inner die cut. The Maxymum pressure reducer has a flow rate of 150 m³/h at a pressure of 60 bar. For further technical information on the reducer (see page 68).

EQUIPPED WITH:

- MAXYMUM 60 bar nitrogen pressure reducer
- Disposable 1 L - 110 bar nitrogen cylinder
- 80 mm diameter, class 1.0 pressure gauge
- 1/4 SAE, 2500 mm flexible hose
- Adapter for disposable cylinder
- 5/16 SAE-f x 1/4 SAE-m adapter
- 7/16" - 20 UNF (1/4 SAE) fitting
- 1/2" - 20 UNF (5/16 SAE) fitting

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLYMA KIT 1000	KK1000	KK1000.DE	KK1000.GB	KK1000.FR	KK1000.NL	KK1000.DE	KK1000.FR	KK1000.US

Weight of kit **5.00 kg** - No.Pcs. 1 - packaging dimensions (l x w x h) **53.5 X 43.5 X 15.5 cm** - packaging weight **5.20 kg**



MAXYMUM 60 bar

KLYMA KIT 900



The Klyma Kit 900 comes with a shockproof case which encloses everything professionals need for conditioning system testing. The equipment contained in the case allows for tightness testing of the system as well as its washing during any welding operations with slight nitrogen flushing. The Klyma Kit 900 case has also been designed to contain, as needed, a 2.2 litre nitrogen cylinder (supplied separately) in place of a 1-litre cylinder, simply by removing a part of the inner die cut. The Major HP pressure reducer has a flow rate of 50 m³/h at a pressure of 60 bar.

EQUIPPED WITH:

- MAJOR HP 60 bar nitrogen pressure reducer
- Disposable 1 L - 110 bar nitrogen cylinder
- 80 mm diameter, class 1.0 pressure gauge
- 1/4 SAE, 2500 mm flexible hose
- Adapter for disposable cylinder
- 5/16 SAE-f x 1/4 SAE-m adapter



MAJOR HP 60 bar

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLYMA KIT 900	KK900	KK900.DE	KK900.GB	KK900.FR	KK900.NL	KK900.DE	KK900.FR	KK900.US

Weight of kit **4.50 Kg** - No.Pcs. **1** - Pack. dimensions (l x w x h) **53.5 x 43.5 x 15.5 cm** - Pack.weight **4.70 Kg**

KLYMA KIT 800



The Klyma Kit 800 has a practical polypropylene case which includes accessories for professional testing of air conditioning systems. The nitrogen cylinder is not supplied with the kit but is sold separately. The Major HP pressure reducer has a flow rate of 50 m³/h at a pressure of 60 bar.

EQUIPPED WITH:

- MAJOR HP 60 bar nitrogen pressure reducer
- 1/4 SAE, 2500 mm flexible hose
- Adapter for disposable cylinder
- 5/16" SAE-f x 1/4 SAE-m adapter



MAJOR HP 60 bar

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLYMA KIT 800	KK800	KK800.DE	KK800.GB	KK800.FR	KK800.NL	KK800.DE	KK800.FR	KK800.US

Weight of kit **2.60 Kg** - No.Pcs. **2** - Pack. dimensions (l x w x h) **41 x 36 x 24 cm** - Pack.Weight **5.40 Kg**

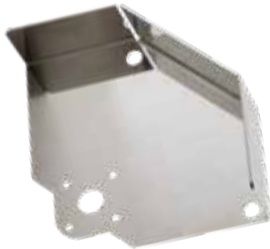
KLYMA KIT SPARE PARTS



458900.MAN



458900.25



198880

CODE	Description	Weight (kg)	No.Pcs.
458900.MAN	100mm flexible hose with pressure gauge and tap	0.35	1
458900.25	2500mm (1/4 SAE F x 1/4 SAE F) flexible hose	0.30	1
198880	Stainless steel polished pressure gauge protection plate for Major Hp	0.30	1

KLYMA KIT ADAPTERS FOR DISPOSABLE CYLINDERS



490990



490983

CODE	Description	Weight (kg)	No.Pcs.
490990	M10x1Rhi - W21,80 Rhi x 1/14"Rhi UNI adapter complete with gasket	0.09	1
490992	M10x1Rhi - W24,32 Rhi x 1/14"Rhe DIN-NEN-SS adapter complete with gasket	0.09	1
490993	M10X1Rhi - G5/8" BSP RHI BS adapter complete with gasket	0.09	1
490983	M10x1Rhi - W21,80 Rhi x 1/14"Rhe NF-MIE adapter complete with gasket	0.07	1
490995	M10x1Rhi - CGA580 Rhi CGA adapter complete with gasket	0.09	1

WASHING KIT

A compact and functional kit for internal washing of copper pipes and evaporators in civil, industrial and automotive conditioning systems. With a pressure of 10 bar, it completely removes impurities deposited within the system. The convenient basket and its light weight make it suitable for use even in cumbersome situations.

EQUIPPED WITH:

- MIGNON 10 bar M10x1 right nitrogen pressure reducer with 2 pressure gauges
- 1 L – 110 bar disposable nitrogen cylinder
- Empty aluminium container for detergent liquid
- 6mm diameter Rilsan capillary hose for connection between cylinders
- 1/4" F x 1/4" F L = 1000mm hose
- Washing gun



CODE	Description	Weight (kg)	No.Pcs.
KKW900	WASHING KIT	5,00	1

MIGNON NITROGEN REDUCERS FOR DISPOSABLE CYLINDERS

The most compact reducers ever made for flushing air conditioning systems. Supplied with 50mm diameter easy-to-read pressure gauges to help professionals perform easy, immediate cleaning.



324280

K pressure reducer class 1 - P1 Inlet pressure 150 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow < 1 m³/h

Code	Description	Connection	Weight (Kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
324280	MIGNON Nitrogen 2 gauges	M10X1RH	0.50	30	41 X 36 X 24	15.20
324380	MIGNON Nitrogen L.P. gauge	M10X1RH	0.45	30	41 X 36 X 24	13.70
324180	MIGNON Nitrogen H.P. gauge	M10X1RH	0.45	30	41 X 36 X 24	13.70
324080	MIGNON Nitrogen no gauges	M10X1RH	0.35	50	46 X 29.5 X 26	17.70

SPARE CYLINDER PARTS

The widest range of disposable bottles for air conditioning system installers and maintenance workers. These days less waste is produced using the 2,2 litre bottle.



484300

484400

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
484300	Nitrogen cylinder 1 L - 110 bar m10x1 rhi	1.30	12	32 X 24 X 34	15.80
484400	Nitrogen cylinder 2,2 L with foot stand - 110 bar m10x1rhi	4.00	4	24 X 24 X 40	16.20
488300	Azoidro cylinder 1 L - 110 bar m10x1 rhi	1.30	12	32 X 24 X 34	15.80
488400	Azoidro cylinder 2,2 L - 110 bar m10x1 rhi with foot stand	4.00	4	24 X 24 X 40	16.20



GAS DISTRIBUTION CONTROL SYSTEMS

The many benefits of industrial gas distribution.

Numerous production processes use gas, which is provided at high pressure inside cylinders and cylinder packs for transport and storage. These cylinders are then used to power distribution networks which bring gas to the required pressure up to the point of use.

Benefits of gas centralisation:

SAFETY

- Cylinders are stored outside workshops.
- Work and circulation areas are unobstructed.
- Safety devices positioned at different levels of the system eliminate any risk of serious accidents.
- Possibility of feeding powerful torches.

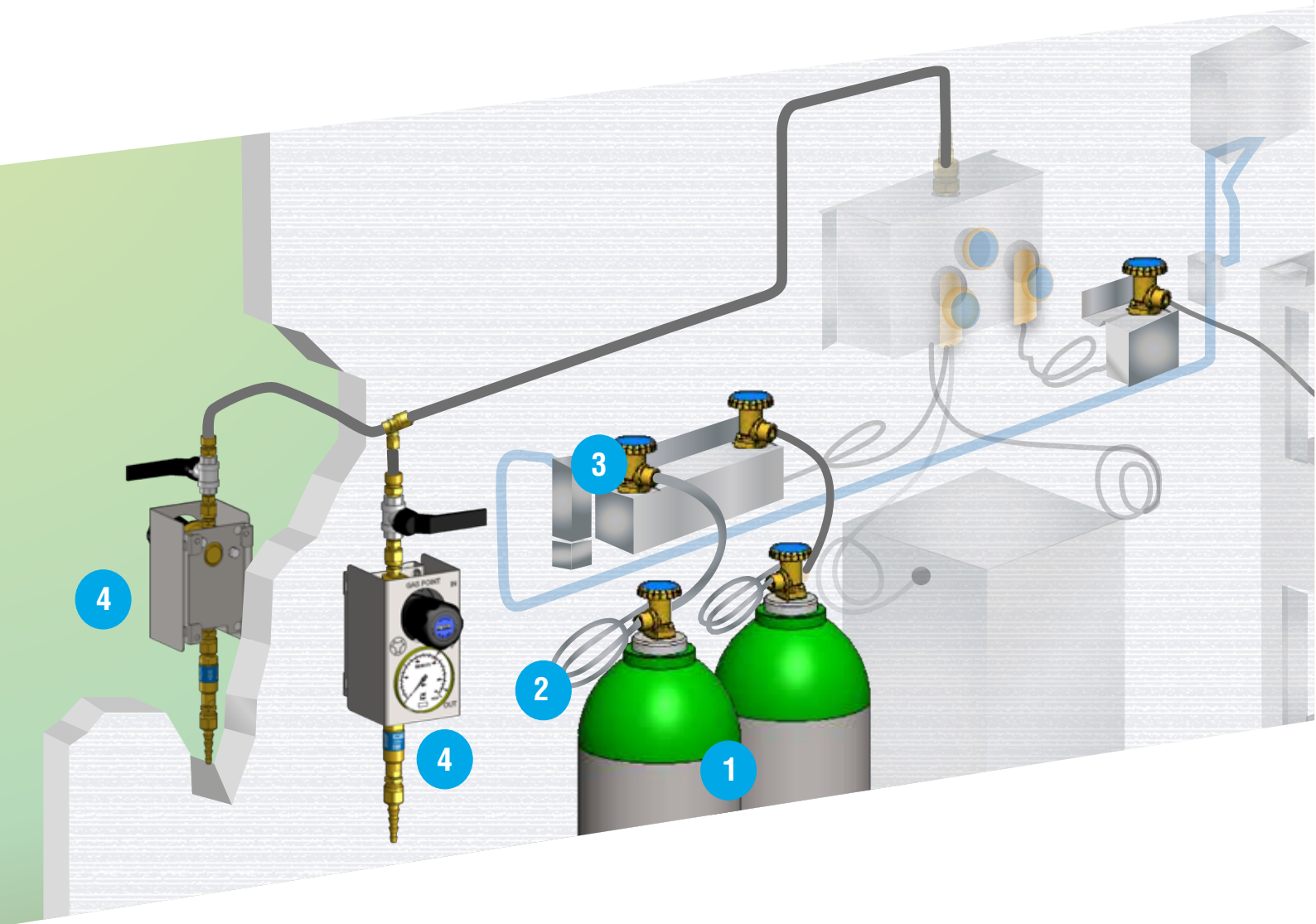
PRODUCTIVITY

- Continuous, controlled and constant pressure supply allows uninterrupted production of workstations (semi-automatic control units).

SAVINGS

- Reduced cylinder storage.
- Cylinder grouping significantly limits transport costs.

ACCESSORIES FOR GAS DISTRIBUTION CONTROL SYSTEMS



A new range of products for your work.

To be increasingly capable of meeting the demands of our welding customers, Oxyturbo has further expanded its range of products and is now able to offer several items required for work with gas distribution plants. Only the rigorous selection of equipment and materials guarantees total compatibility with the gases and mixtures to be used in these facilities.

The GAS POINT distribution point, the manifold systems, the cylinder racks and flexible connections come in three different versions (copper, PTFE, polyamide) and with two different lengths (1 or 3 metres) are part of the new Oxyturbo range.

Our work doesn't end here: our technical department is working to be able to offer other items over the next months in order to complement our centralised distribution systems for the industrial field.



DEFINE A GAS DISTRIBUTION SYSTEM:

Step 1 Choosing the welding procedure

- Define the gas or gases to be used

Step 2 Identify

- The number of workstations
- The type of equipment used (cutting torch - welding - heating - MIG- MAG-TIG welding machine)
- The actual operating time in welding per piece of equipment

Step 3 Establishing the instantaneous flow rate

The instantaneous flow rate allows you to measure the capacity of the control unit:

- Normal flow rate control unit
- High flow rate control unit

Step 4 Defining control unit autonomy

This step involves deciding the number of cylinders or cylinder packs to be used:

- Control unit with cylinders
- Control unit with cylinder packs

Step 5 Deciding control unit productivity

Productivity is directly related to the management of work interruptions due to gas supply disruptions once cylinders or cylinder packs have emptied.

If gas interruptions do not cause large operating problems for workshops, you can choose:

- Manual, simplified control units.
The decompression unit is powered by 1 or 2 sources of gas, but workstation power is interrupted when the source is emptied.

If interruptions are to be avoided as much as possible, you should choose:

- Semi-automatic control units
The decompression unit is powered by 2 sources of gas, one of which is in service and the other is the reserve. When the source in service is emptied, the reserve source automatically intervenes: supply to the workstations is therefore not interrupted.

GAS POINT

The necessary complements for centralised gas distribution are compact and easy to install.

FEATURES

GAS POINT distribution points are equipped with easy-to-mount stainless steel casing enclosures that envelop components to ensure maximum protection. Markings on the enclosure are built into it without the use of labels which could detach over time. **The models for oxygen, acetylene and propane are equipped with a dual safety valve against flame and gas returns.** The inlet connection is G3/8 male and is equipped with a G1/4 ball cut-off valve with inspecting filter. At outlet, the connection is G3/8 with hose connection. The pressure control gauges are 63 mm diameter and allow for easy reading of the internal scale.

USE IN THE FOLLOWING FIELDS OF APPLICATION

- Automotive
- Metallurgical
- Production or use of metal, plastic, glass and paper
- Packaging
- Chemical and petrochemical industry

WARRANTY
3
YEARS

STAINLESS
STEEL COVER
WITH INDELIBLE
MARKING

WALL BRACKET

OUTLET CONNECTION G3/8

INLET CONNECTION G3/8

G1/4 BALL CUT-OFF VALVE

ADJUSTMENT KNOB

63mm Ø GAUGE

DUAL SAFETY VALVE

GAS USED:
OXYGEN
ACETYLENE
PROPANE
ARGON/CO₂
INERT GASES
HYDROGEN/METHANE

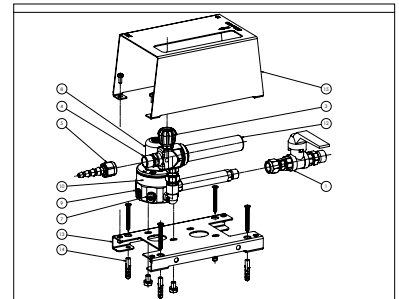
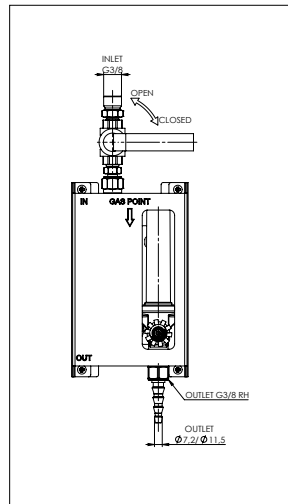
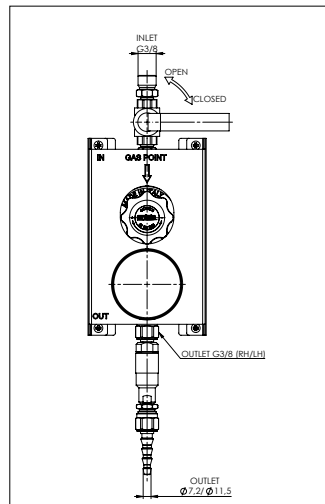


The pressure reducers included in our gas distribution points are equipped with a high-pressure capsule with a sintered filter at the inlet and are all provided with a safety valve. Their high supply precision makes them suitable for all welding and cutting applications. (F.A.V.= FLASHBACK ARRESTOR VALVE)

CODE	Description	Outlet	P1 (bar)	P2 (bar)	Q1 (m³/h)	Weight (kg)	No.Pcs.
190800	GAS POINT O ₂ + F.A.V.	3/8	30	10	30	1.75	1

CODE	Description	Outlet	P1 (bar)	P2 (bar)	Q1 (m³/h)	Weight (kg)	No.Pcs.
190820	GAS POINT C ₂ H ₂ + F.A.V.	3/8	1.5	1.5	5	1.85	1
190830	GAS POINT C ₃ H ₈ + F.A.V.	3/8	6	4.0	10	1.90	1
190840	GAS POINT H ₂ CH ₄ + F.A.V.	3/8	30	10	30	1.85	1

CODE	Description	Outlet	P1 (bar)	P2 (bar)	Q1 (m³/h)	Weight (kg)	No.Pcs.
190860	GAS POINT ARGON/CO ₂ WITHOUT F.A.V.	3/8	30	4.0	32 L/min	1.75	1
190870	GAS POINT INERT GASES WITHOUT F.A.V.	3/8	30	10	30	1.75	1





190861

Flow measurements are essential for process control. Where it is useful or necessary to have a flow at a specific value, the best tool to use is a flow meter, which also allows for an immediate reading. Our Gas Points are available in versions with one up to four flow meters for possible use with one or more utilities. Their compact, elegant design makes them the favourite for use in laboratories, however they are ideal for any industrial application.

CODE	Description	Outlet	P1 (bar)	P2 (bar)	Q1 (L/min)	Weight (kg)	No.Pcs.
190861	GAS POINT AR/CO ₂ + 1 FLOW METER	3/8	30	3.5	30	2.15	1
190864	GAS POINT AR/CO ₂ + 2 FLOW METER	3/8	30	3.5	30	3.90	1
190863	GAS POINT AR/CO ₂ + 3 FLOW METER	3/8	30	3.5	30	4.24	1
190862	GAS POINT AR/CO ₂ + 4 FLOW METER	3/8	30	3.5	30	4.60	1



190864



190863



190862

2ND STAGE LASER GAS POINT



190880



These high flow rate, powerful distribution points are ideal for centralised and laser cutting plants. Suitable for operating temperatures from -20 °C to +60 °C.

Made with:

- Maximum series piston reducer with all brass membrane
- Low pressure gauge, 63 Ø, in accordance with ISO 5171, approved for welding systems
- G1/2 F ball cut-off valve
- G1/2 M outlet fitting
- Wall support with stainless steel enclosure

Available for use with oxygen and with nitrogen.



190881

CODE	Description	Outlet	P1 (bar)	P2 (bar)	Q1 (m ³ /h)	Weight (kg)	No.Pcs.
190880	GAS POINT laser cutting O ₂ 2 nd stage	1/2	60	50	180	2.40	1
190881	GAS POINT laser cutting N ₂ 2 nd stage	1/2	60	50	180	2.40	1

EN ISO 2503



GAS POINT SMART

GAS USED:

OXYGEN

ACETYLENE

PROPANE

ARGON/CO₂

INERT GASES

At the service of industrial gases

The simplest, easiest and quickest socket designed by Oxyturbo to complete gas distribution centralisation.

The inlet connection is G3/8 female. It is composed of a MaxySmart line regulator with 63 mm diameter pressure gauge or with a flow meter and outlet flexible hose connection. The pressure gauge is oriented so as to allow for easy operator reading.

The variants for oxygen, acetylene and propane are arranged for the connection of a dual safety valve against flame and gas returns.

GAS POINT SMART



CODE	Description	Inlet	Outlet	P2	Weight (Kg)	No. Pcs.	Pack. Dim. (l x w x h) cm	Pack. Weight (kg)
240302.PP	Gas Point Smart Oxygen	3/8"	1/4"	10 BAR	0.85	8	41 X 29 X 22	7.00
241352.PP	Gas Point Smart Acetylene	3/8" LH	3/8" LH	1.5 BAR	0.83	8	41 X 29 X 22	6.90
242352.PP	Gas Point Smart Propane	3/8" LH	3/8" LH	4 BAR	0.85	8	41 X 29 X 22	7.00
245302.PP	Gas Point Smart CO ₂ /Argon	3/8"	1/4"	32 L/min	0.83	8	41 X 29 X 22	6.90
245352.10PP	Gas Point Smart Inert gases	3/8"	3/8"	10 BAR	0.86	8	41 X 29 X 22	7.10

GAS POINT SMART WITH FLOW METER

The Gas Point Smart with flow meter is supplied with an adjustment knob and for this reason is particularly suitable for work where flow measurement requires greater immediacy and reading precision.



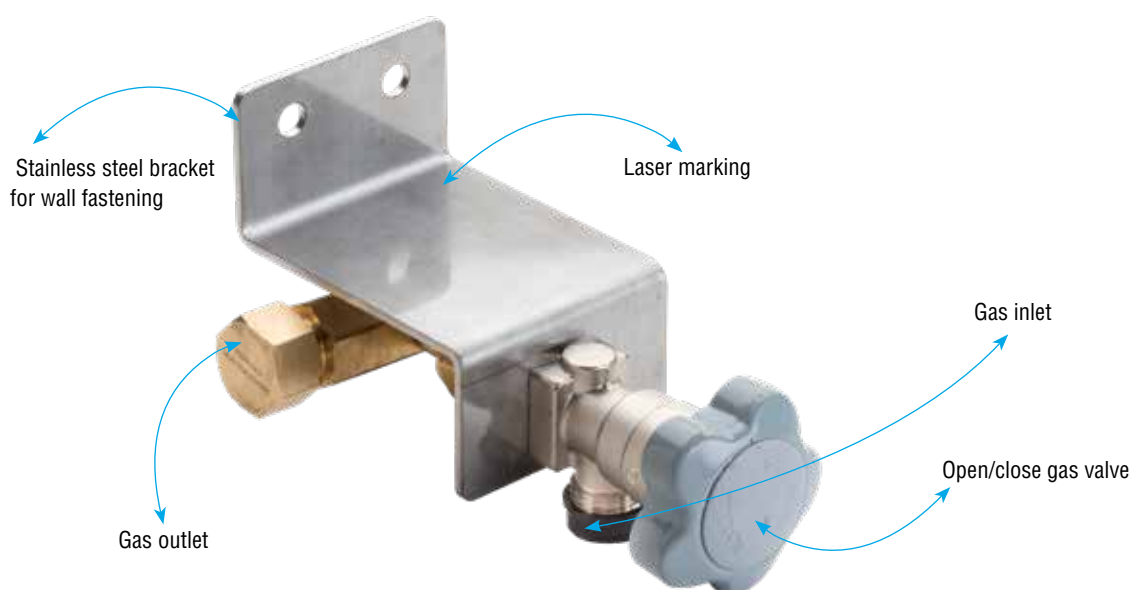
CODE	Description	Inlet	Outlet	P2	Weight (Kg)	No. Pcs.	Pack. Dim. (l x w x h) cm	Pack. Weight (kg)
245402.PP	Gas Point Smart CO ₂ /Argon + flowmeter	3/8"	1/4"	30 L/min	0.87	8	41 X 29 X 22	7.20





MANIFOLD SYSTEMS

To work more independently and efficiently.



Allow for multiple cylinders or cylinder packs to be connected in parallel to decompression devices on distribution plants in order to increase the autonomy of the plant supply itself.

➤ Our manifolds are available from single to triple and contain cut-off valves at inlet and and a double outlet (both on the right and on the left). Valve and inlet and outlet fitting bodies are made of brass.

➤ Inlet threading is in accordance with standard UNI/ISO and are dependent on gas.

➤ Identification is made by indication of the name and/or symbol of the gas supplied and the production batch marked with laser on the stainless steel bracket.

To avoid the incompatibility of gases with some materials, all braze-welding with silver alloy (potentially dangerous with acetylene) has been eliminated.

SINGLE MANIFOLD SYSTEMS



These are ideal for stable wall fixing of a powerful delivery reducer, to then be connected to the cylinder or to the cylinder pack by means of a flexible one. As this reducer is rather heavy and bulky, it would otherwise be complicated to have to fix it and remove it from the cylinder or the cylinder pack every time the gas is depleted.

CODE	Description	P1 max. (bar)	Inlet	Outlet	Weight (kg)	No.Pcs.
191810	O ₂ and inert gas single manifold system	300	W21.8X1/14"	W21.8x1/14"	1.35	1
192810	Acetylene single manifold system	25	G5/8"LH	G5/8"Lh	1.35	1
193810	Fuel gas* single manifold system	300	W20X1/14"LH	W20x1/14"Lh	1.35	1

*Fuel Gas= H₂ - C₃H₈ - C₄H₁₀



TWIN MANIFOLD SYSTEMS



These are ideal for stable wall fixing of a powerful delivery reducer and for having two separate inlets to obtain a gas reserve system, connecting for example a cylinder pack at inlet 1 and a cylinder at inlet 2, to be activated during a pack changeover to avoid any interruptions in operating processes. It is also possible to connect the manifold to a decompression panel via a flexible hose.

CODE	Description	P1 max. (bar)	Inlet	Outlet	Weight (kg)	No.Pcs.
191820	O ₂ and inert gas twin manifold system	300	W21.8X1/14"	W21.8X1/14"	3.20	1
192820	Acetylene twin manifold system	25	G5/8"LH	G5/8"LH	3.20	1
193820	Fuel gas twin manifold system	300	W20X1/14"LH	W20X1/14"LH	3.20	1

TRIPLE MANIFOLD SYSTEMS



These are ideal for having 3 separate inlets for connecting for example 3 cylinders for good gas autonomy. The manifolds can be connected both to a decompression panel via a flexible hose and directly to a powerful delivery reducer.

CODE	Description	P1 max.(bar)	Inlet	Outlet	Weight (kg)	No.Pcs.
191830	O ₂ and inert gas triple manifold system	300	W21.8X1/14"	W21.8X1/14"	5.10	1
192830	Acetylene triple manifold system	25	G5/8"LH	G5/8"LH	5.10	1
193830	Fuel gas triple manifold system	300	W20X1/14"LH	W20X1/14"LH	5.10	1

MANIFOLD SYSTEM CONNECTION FITTINGS

If more than 3 cylinders (or cylinder packs) need to be connected to power the plant, multiple manifolds in series can be installed using specific swivel connection fittings.



C5419050



C5419052



C5419051

CODE	Description	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
C5419050	O ₂ and inert gas manifold system connection fitting	0.25	50	41 x 36 x 24	12.70
C5419051	Acetylene manifold system connection fitting	0.35	50	41 x 36 x 24	17.70
C5419052	Fuel gas manifold system connection fitting	0.20	50	41 x 36 x 24	10.20



CYLINDER RACKS

Oxyturbo proposes accessories for cylinder storage in compliance with safety regulations in the workplace.



CYLINDER RACKS



Accessories can be placed inside the laboratory or warehouse.

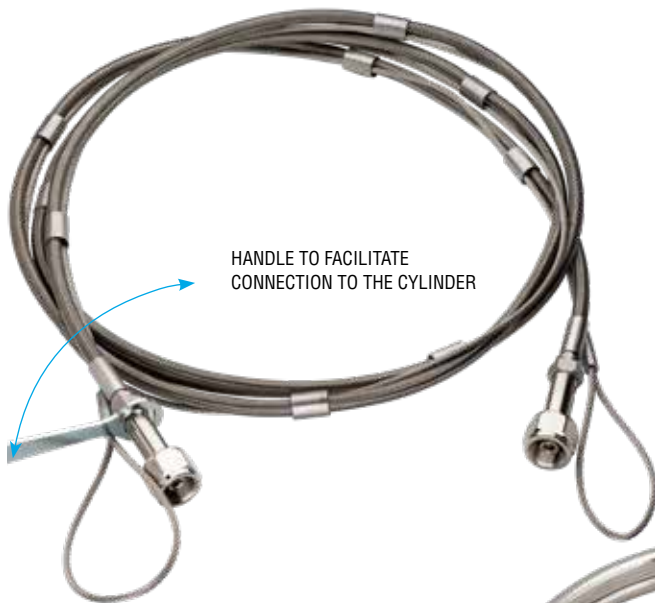
Cylinder packs are made of laser-cut INOX 430 stainless steel sheet and are equipped with a white galvanized chain to hold cylinders. They are single, twin and triple and are used to secure one or more 40/50 L compressed gas cylinders to the wall to thus prevent accidental falls.

Multiple, different type cylinder packs can be combined to meet space requirements or simply to increase the number of cylinders to be installed.

CODE	Description	Weight (kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
194890	Single cylinder pack	0.80	5	35 x 19 x 17	4.20
194891	Twin cylinder pack	1.50	10	73.5 x 30.5 x 23	15.20
194892	Triple cylinder pack	2.30	5	100 x 19 x 32.5	11.70



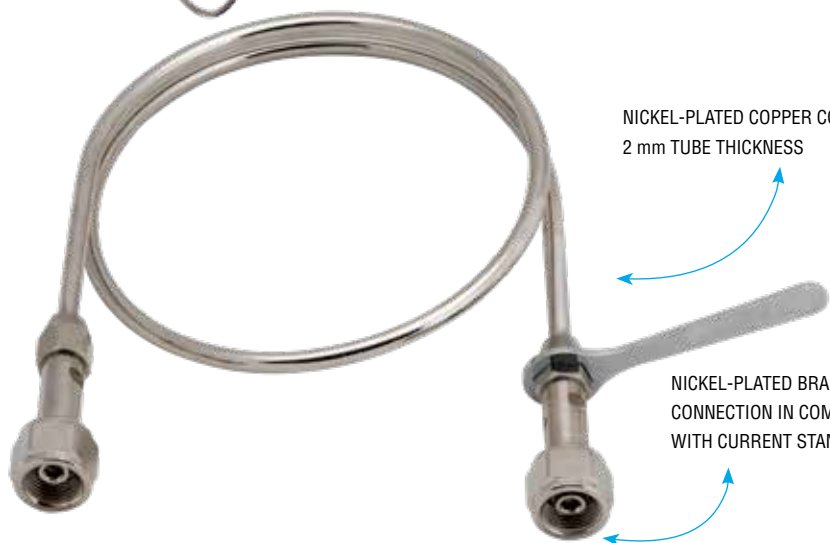
FLEXIBLE CONNECTIONS



HANDLE TO FACILITATE CONNECTION TO THE CYLINDER

COILS SHOULD BE REPLACED EVERY 2 YEARS

(month and year of manufacture are engraved on the cylinder handle).



NICKEL-PLATED COPPER COIL WITH 2 mm TUBE THICKNESS

NICKEL-PLATED BRASS CONNECTION IN COMPLIANCE WITH CURRENT STANDARD

The coils are the element needed to connect cylinders or cylinder packs to ramps or directly to the decompression panels on industrial gas distribution systems.

They have a gas-specific UNI connection and are available in three versions:

- Nickel-plated copper
- Coated double stainless-steel braid PTFE with anti-kink safety cable
- Steel coated polyamide, polyurethane cover and an anti-kink safety cable.

COPPER COILS



Nickel-plated copper coils complete with handle for easy cylinder connection.

Operating pressure: 240 bar

Operating temperature: from -15°C to +60°C

It is advisable to use appropriate length coils and to check the condition of the gaskets at each cylinder or cylinder pack change.

The production lot number and references to inlet and outlet fittings are also engraved on the handle.

Available lengths: 1 and 3 metres.

➤ **Please see instructions contained in the table for connections** (which differ depending on the gases). (Page 66-67)

FLEXIBLE COILS IN PTFE



Flexible coils in PTFE coated in double stainless-steel braiding with anti-kink safety cable and handle for easy cylinder connection.

Operating pressure: up to 240 bar

Operating temperature: from -60°C to +180°C

It is advisable to use appropriate length coils and to check the condition of the gaskets at each cylinder or cylinder pack change.

Available lengths: 1, 2 and 3 metres.

The production lot number and references to inlet and outlet fittings are also engraved on the handle.

Please see instructions contained in the table for connections (which differ depending on the gases). (Page 66-67)

FLEXIBLE COILS IN POLYAMIDE



Flexible coils in steel coated polyamide, polyurethane cover and anti-kink safety cable and handle for easy cylinder connection.

Operating pressure: up to 240 bar

Operating temperature: from -60°C to +180°C

It is advisable to use appropriate length flexible coils and to check the condition of the gaskets at each cylinder or cylinder pack change.

Available lengths: 1, 2 and 3 metres.

The production lot number and references to inlet and outlet fittings are also engraved on the handle.

Please see instructions contained in the table for connections (which differ depending on the gases). (Page 66-67)

SAFE OPERATIONS

PERIODIC MAINTENANCE OF EQUIPMENT

UNI 11627 is the UNI reference standard for the periodic maintenance and checking of manual gas welding and cutting equipment. It also relates to techniques connected downstream of the cylinder valve or, in the case of centralised distribution, of mobile equipment downstream at the point of use. This standard describes the methods and frequency of verifications by the type of product, which integrate but do not replace the requirements that the manufacturer indicates in the use and maintenance manual related to individual products.

EQUIPMENT	VISUAL INSPECTION - VERIFICATION SEAL TESTING			FREQUENCY OF COMPLETE OVERHAUL OR REPLACEMENT (2)
	EACH TIME THE CYLINDER IS REPLACED OR COMPONENTS ARE CONNECTED	EACH TIME EQUIPMENT IS USED	ANNUALLY	
General, common to all equipment (2)	Follow manufacturer instructions. Always include: Visual inspection to determine the appropriateness of equipment for the intended use (for example: the type of gas, pressure, flow rate), absence of damage, absence of grease or oily residue (<i>see below for details for each specific piece of equipment</i>)	Visual inspection to determine the appropriateness of equipment for the intended use (for example: the type of gas, pressure, flow rate), absence of damage, absence of grease or oily residue (<i>see below for details for each specific piece of equipment</i>)	Includes verifications required each time cylinders are replaced or any components are connected, to which the specific checks for each type of equipment are to be added (see below): (<i>This check can be made more frequently depending on the conditions of use</i>)	This check can be made more frequently depending on the conditions of use
Pressure reducers (1)	Visual inspection: <ul style="list-style-type: none"> • Conditions of threading, gaskets, pressure gauges, inlet and outlet fittings • Absence of grease or oily residue • Upon start-up: check that pressure gauge indicators are correctly indicating starting zero position and have smooth, uniform movement at pressure increase • Junction seal testing at operating pressure 	<ul style="list-style-type: none"> • Upon start-up: check that the pressure gauge indicators correctly indicate the initial zero position and have smooth and uniform movement at the pressure increase • Junction seal testing at operating pressure 	<ul style="list-style-type: none"> • Perform a general test to verify correct operation throughout the operating pressure range • Junction seal testing at operating pressure 	Complete overhaul or replacement maximum every 5 years
Shutter quick coupling	<ul style="list-style-type: none"> • Verification of correct closing mechanism operation • Junction seal testing at operating pressure 	<ul style="list-style-type: none"> • Junction seal testing at operating pressure 	<ul style="list-style-type: none"> • Verification of correct closing mechanism operation • Junction seal testing at operating pressure 	Systematic replacement in the event of operating failure, or maximum every 5 years
Note: 1) Does not apply to reducers integrated into the cylinder valve, whose maintenance is entrusted to the gas supplier. 2) Contact your local supplier regarding safety data for the gas and materials used.				

It is extremely important to follow these tips and treat your equipment carefully. All manufacturers try to produce safe materials, but a small distraction during their use can have serious consequences. It is also advisable to apply safety valves on reducers to provide greater safety during daily work.



PRESSURE REDUCERS FOR RECHARGEABLE CYLINDERS

These pressure reducers are devices connected to rechargeable cylinders to reduce the pressure of the gas used, as it is unusable by the user at the values present in the cylinder. It is also referred to as a pressure regulator as it also has the function of stabilising the outlet pressure from the cylinder itself.

Rechargeable cylinder connection consists of a gas conveyor injector in the high pressure chamber of the reducer and of a nut (for cylinders with a male attachment) or a ring nut (for cylinders with a female attachment) or a bracket (only for acetylene cylinders and specific bracket attachment).

PRESSURE REDUCERS FOR USE WITH INDUSTRIAL GASES IN CYLINDERS

Designed and manufactured according to the most stringent international safety standards.



EN ISO 2503

All our pressure reducers are built in compliance with standard EN ISO 2503 which foresees:

- ▶ safety valve
- ▶ obligatory marking
- ▶ gauges according to the standard
- ▶ unremovable pressure adjusting knob

Failure to comply with any of the mentioned conditions indicates that the pressure reducer shall no more comply with the standard. Pressure reducer connections are in compliance with standard UNI 11144.



P1-PRESSIONE

300 bar is the max. supply pressure for Maxymum, Magnum Smart, Magnum Rear Side, Maxy, Maxy Power Control, Maxy Flux, Maxy Smart and Mini series.

OBLIGATORY MARKING

Standard EN ISO 2503 foresees the following obligatory markings:

- ▶ Name or trademark of the manufacturer and/or distributor
- ▶ Pressure reducer class -K- or operating pressure -P2-
- ▶ Rated inlet pressure, -p1-
- ▶ Gas intended for use
- ▶ **Our markings are made with a laser procedure**
- ▶ **It is important to carefully read the marking, this way you can distinguish an original from a counterfeit product.**



PRESSURE GAUGES

The pressure gauges fitted on our pressure reducers are built according to standard ISO 5171 and are marked accordingly.



UNREMOVABLE PRESSURE ADJUSTING KNOB

Our pressure reducers are provided with an unremovable adjusting knobs to ensure the highest safety during their use at maximum working pressures.

INTEGRATED CAPSULE

All our pressure reducers are equipped with an INTEGRATED CAPSULE device with a filter to provide increased reliability and easier maintenance.

- ▶ **All our pressure reducers are tested individually to ensure their operation and safety.**

Our range includes the following reducers:

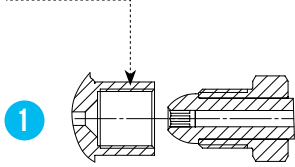


FRONT CONTROL	VERTICAL CONTROL	FOR DISPOSABLE CYLINDERS
MAXYMUM	MAXY	MIGNON
MAGNUM SMART	MAXY POWER CONTROL	MICRO
MAGNUM REAR SIDE SMART	MAXY FLUX	
MINI	MAXY SMART	

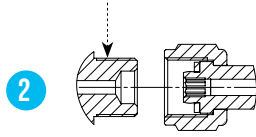
CYLINDER CONNECTIONS

GAS	CHEMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	OUTLET NUMBER
ITALY				
Acetylene	C ₂ H ₂	Ø 20 X Ø 10mm	7S - UNI 11144	4
		G 5/8" LH	7F - UNI 11144	1
Argon	Ar	W24.5 X 1/14"	8 - UNI 11144	1
Butane	C ₄ H ₁₀	W20 X 1/14" LH	1P - UNI 11144	2
Carbon dioxide	CO ₂	W21.7 X 1/14"	2 - UNI 11144	2
Air		W30 X 1/14"	6 - UNI 11144	2
Helium	He	W24.5 X 1/14"	8 - UNI 11144	1
Hydrogen	H ₂	W20 X 1/14" LH	1H - UNI 11144	2
Methane	CH ₄	W20 X 1/14" LH	1H - UNI 11144	2
Nitrogen	N ₂	W 21.7 X 1/14"	5 - UNI 11144	1
Oxygen	O ₂	W21.7 X 1/14"	2 - UNI 11144	2
Propane	C ₃ H ₈	W20 X 1/14" LH	1P - UNI 11144	2
GERMANY, AUSTRIA, SWITZERLAND, CZECH REPUBLIC, SLOVAKIA, HUNGARY, POLAND				
Acetylene	C ₂ H ₂	Ø 15.3 X Ø 7.5	DIN 477 No.3	4
Argon	Ar	W21.8 X 1/14"	DIN 477 No.6	2
Butane	C ₄ H ₁₀	W21.8 X 1/14" LH	DIN 477 No.6	2
Carbon dioxide*	CO ₂	W21.8 X 1/14"	DIN 477 No.6	2
Air		G 5/8"	DIN 477 No.13	1
Helium	He	W21.8 X 1/14"	DIN 477 No.6	2
Hydrogen	H ₂	W21.8 X 1/14" LH	DIN 477 No.1	2
Methane	CH ₄	W21.8 X 1/14" LH	DIN 477 No.1	2
Nitrogen	N ₂	W24.32 X 1/4"	DIN 477 No.10	2
Oxygen*	O ₂	G 3/4"	DIN 477 No.9	2
Propane	C ₃ H ₈	W21.8 X 1/14" LH	DIN 477 No.1	2
* Czech Rep. and Slovakia: CO ₂ G 3/4" - Oxygen W21.8 x 1/14"				
UK				
Acetylene	C ₂ H ₂	G 5/8" LH	BS 341 No.2	1
Argon	Ar	G 5/8"	BS 341 No.3	1
Butane	C ₄ H ₁₀	G 5/8" LH	BS 341 No.4	1
Carbon dioxide	CO ₂	0.860" X 14 TPI	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" LH	BS 341 No.2	1
Nitrogen	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" LH	BS 341 No.4	1
FRANCE				
Acetylene	C ₂ H ₂	Ø 21 X Ø 10mm	NF E 29-650/A	4
	Ar	W 22.91 X 1/14" LH	NF E 29-650/H	1
Argon	C ₄ H ₁₀	W 21.7 X 1/14"	NF E 29-650/C	2
Butane	CO ₂	W 21.7 X 1/14" LH	NF E 29-650/E	2
Carbon dioxide		W 21.7 X 1/14"	NF E 29-650/C	2
Helium	He	W 21.7 X 1/14"	NF E 29-650/C	2
Hydrogen	H ₂	W 21.7 X 1/14" LH	NF E 29-650/E	2
Methane	CH ₄	W 21.7 X 1/14" LH	NF E 29-650/E	2
Nitrogen	N ₂	W 21.7 X 1/14"	NF E 29-650/C	2
Oxygen	O ₂	W 22.91 X 1/14"	NF E 29-650/F	1
Propane	C ₃ H ₈	W 21.7 X 1/14" LH	NF E 29-650/E	2

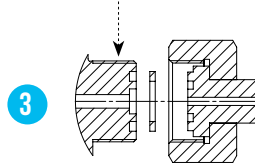
VALVE OUTLET INTERNAL



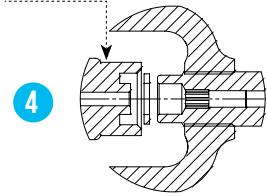
VALVE OUTLET EXTERNAL



VALVE OUTLET EXTERNAL



VALVE OUTLET YOKE



GAS	CHEMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	OUTLET NUMBER
HOLLAND, BELGIUM				
Acetylene	C ₂ H ₂	Ø 20 X Ø 9mm	NEN 3268 YOKE	4
	C ₂ H ₂	G 5/8" LH	NEN 3268 LI2	1
Argon	Ar	W 24.32 X 1/14"	NEN 3268 RU 3	2
Butane	C ₄ H ₁₀	W21.8 X 1/14" LH	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" LH	NEN 3268 LU 1	2
Methane	CH ₄	W21.8 X 1/14" LH	NEN 3268 LU 1	2
Nitrogen	N ₂	W24.32 X 1/14"	NEN 3268 RU 3	2
Oxygen	O ₂	G 5/8"	NEN 3268 RI 2	1
Propane	C ₃ H ₈	W21.8 X 1/14" LH	NEN 3268 LU 1	2
SWEDEN, NORWAY, FINLAND				
Acetylene	C ₂ H ₂	G3/4"	SS 2238/C2	1
Argon	Ar	W24.32 X 1/14"	SS 2238/A	2
Butane	C ₄ H ₁₀	CGA 510 LH	SS 2238/C1	1
	C ₄ H ₁₀	W21.8 X 1/14" LH		2
Carbon dioxide	CO ₂	W21.8 X 1/14"	SS 2238/A	2
Air		G5/8"	SS 2238/C2	1
Helium	He	W24.32 X 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" LH	SS 2238/A	2
Nitrogen	N ₂	W24.32 X 1/14"	SS 2238/A	2
Oxygen	O ₂	W21.8 X 1/14"	SS 2238/A	2
Propane	C ₃ H ₈	CGA 510 LH	SS 2238/C1	1
	C ₃ H ₈	W21.8 X 1/14" LH		2
SPAIN, PORTUGAL				
Acetylene	C ₂ H ₂	YOKE	YOKE	4
	C ₂ H ₂	Ø 22.91 X 1/14" LH	MIE AP7	1
Argon	Ar	W21.7 X 1/14"	MIE AP7	2
Butane	C ₄ H ₁₀	W21.7 X 1/14" LH	MIE AP7	2
Carbon dioxide	CO ₂	W21.7 X 1/14"	MIE AP7	2
Air		M 30 X 1.75	MIE AP7	3
Helium	He	W21.7 X 1/14"	MIE AP7	2
Hydrogen	H ₂	W21.7 X 1/14" LH	MIE AP7	2
Methane	CH ₄	W21.7 X 1/14" LH	MIE AP7	2
Nitrogen	N ₂	W21.7 X 1/14"	MIE AP7	2
Oxygen	O ₂	W22.91 X 1/14"	MIE AP7	1
Propane	C ₃ H ₈	W 21.7 X 1/14" LH	MIE AP7	2
U.S.A.				
Acetylene	C ₂ H ₂	CGA 510 LH	CGA V-1	1
Argon	Ar	CGA 580	CGA V-1	1
Butane	C ₄ H ₁₀	CGA 510 LH	CGA V-1	1
Carbon dioxide	CO ₂	CGA 320	CGA V-1	2
Air		CGA 346	CGA V-1	2
Helium	He	CGA 580	CGA V-1	1
Hydrogen	H ₂	CGA 350	CGA V-1	2
Methane	CH ₄	CGA 510 LH	CGA V-1	1
Nitrogen	N ₂	CGA 580	CGA V-1	1
Oxygen	O ₂	CGA 540	CGA V-1	2
Propane	C ₃ H ₈	CGA 510 LH	CGA V-1	1

MAXYIMUM

Professional pressure reducers for operating pressures up to 100 bar.

Gas flow
>200 m³/h

GAS USED:
OXYGEN
NITROGEN
ARGON

A new series of professional reducers obtained with brass bar production technology.

USE

Designed for highly professional and industrial applications and equipped with an overpressure safety device.

HIGH PRESSURE AND POWERFUL DISTRIBUTION

Allows for use of compressed gases up to 300 bar and enables high differential pressure output at 20/40/60/100 bar and flow rate superior than 200 m³/h



MAXYIMUM REDUCER TECHNICAL FEATURES

- Approved by APRAGAZ for input pressure **p1=300 bar**
- The solid body made of brass bar guarantees resistance to hydraulic pressure of 450 bar without permanent deformation
- In addition to high-pressure and low-pressure machine marking, two threaded holes are present in the rear of the reducer body which allows reducer fastening for fixed wall applications.
- The high-pressure capsule is equipped with a new constant, limited high pressure tablet compression system. Combined with a piston pressure adjustment system, constructed entirely in brass, which ensures the best resistance even for the most heavy duty uses
- The pressure adjustment system, made with a plastic knob combined with an unremovable adjusting screw, can easily be used to reach the desired pressures.

- The safety valve used to discharge overpressure in case of high pressure system breakage has been approved in accordance with EN ISO 2503.
- The injector connecting to the cylinder enables connection to cylinders with all types of valve protections present on the market.
- The easy to read 63 Ø pressure gauges are protected by suitably sized protective caps.
- MAXYIMUM reducers are packaged in a lithographed box with double die-cut protection to prevent collisions caused during transport.
- Used in a host of applications thanks to its versatility.



Especially suitable for cleaning air conditioning or inflating tyres. Available with four different pressure calibrations.

The nitrogen version is equipped with a kit which has two fittings: 1/4 SAE and 5/16 SAE.

OR seal lubrication inside the reducer is carried out using a lubricant (a specific grease) that is compatible with oxygen, approved by BAM. (for the oxygen version only).



MAXYUM 100 BAR Low pressure gauge 0-160 bar red mark 100 bar



P1 Inlet pressure 300 bar - P2 Outlet pressure 100 bar - Q1 standard delivery flow > 200 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	1/4 SAE + 5/16 SAE	294200.100	294209.100	294203.100	294202.100	2942049.100	294204.100	294202.100	294205.100
	G1/4	290200.100	290201.100	290203.100	290203.100	290203.100	290200.100	290203.100	
OXYGEN	9/16								290295.100
	1/4 SAE + 5/16 SAE	296200.100	296201.100	296203.100	296202.100	296209.100	296204.100	296202.100	296205.100

Weight of pressure reducer **1.60 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37.5 cm** - Packaging weight **9.80 Kg**

MAXYUM 60 BAR Low pressure gauge 0-100 bar red mark 60 bar

P1 Inlet pressure 300 bar - P2 Outlet pressure 60 bar - Q1 standard delivery flow < 150 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	1/4 SAE + 5/16 SAE	294200	294209	294203	294202	2942049	294204	294202	294205
	G1/4	290200	290201	290203	290203	290203	290200	290203	
OXYGEN	9/16								290295
	1/4 SAE + 5/16 SAE	296200	296201	296203	296202	296209	296204	296202	296205

Weight of pressure reducer **1.60 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37.5 cm** - Packaging weight **9.80 Kg**



294200

MAXYUM 40 BAR Low pressure gauge 0-100 bar red mark 40 bar

P1 Inlet pressure 300 bar - P2 Outlet pressure 40 bar - Q1 standard delivery flow < 100 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	1/4 SAE + 5/16 SAE	294200.40	294209.40	294203.40	294202.40	2942049.40	294204.40	294202.40	294205.40
	G1/4	290200.40	290201.40	290203.40	290203.40	290203.40	290200.40	290203.40	
OXYGEN	9/16								290295.40
	1/4 SAE + 5/16 SAE	296200.40	296201.40	296203.40	296202.40	296209.40	296204.40	296202.40	296205.40

Weight of pressure reducer **1.60 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37.5 cm** - Packaging weight **9.80 Kg**



290200

MAXYUM 20 BAR Low pressure gauge 0-100 bar red mark 25 bar

P1 Inlet pressure 300 bar - P2 Outlet pressure 20 bar - Q1 standard delivery flow < 60 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	1/4 SAE + 5/16 SAE	294200.20	294209.20	294203.20	294202.20	2942049.20	294204.20	294202.20	294205.20
	G1/4	290200.20	290201.20	290203.20	290203.20	290203.20	290200.20	290203.20	
OXYGEN	9/16								290295.20
	1/4 SAE + 5/16 SAE	296200.20	296201.20	296203.20	296202.20	296209.40	296204.20	296202.20	296205.20

Weight of pressure reducer **1.60 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37.5 cm** - Packaging weight **9.80 Kg**



EN ISO 2503



NEVOC SYSTEM

The pressure reducers for 300 bar cylinders with international valve outlet

IMPORTANT SAFETY NOTE:
IT IS NEVER ACCEPTABLE TO USE ADAPTORS OR TO MODIFY REGULATORS TO FIT TO CYLINDERS WITH NON- MATCHING VALVE OUTLET CONNECTIONS. SUCH PRACTICES ARE POTENTIALLY DANGEROUS.

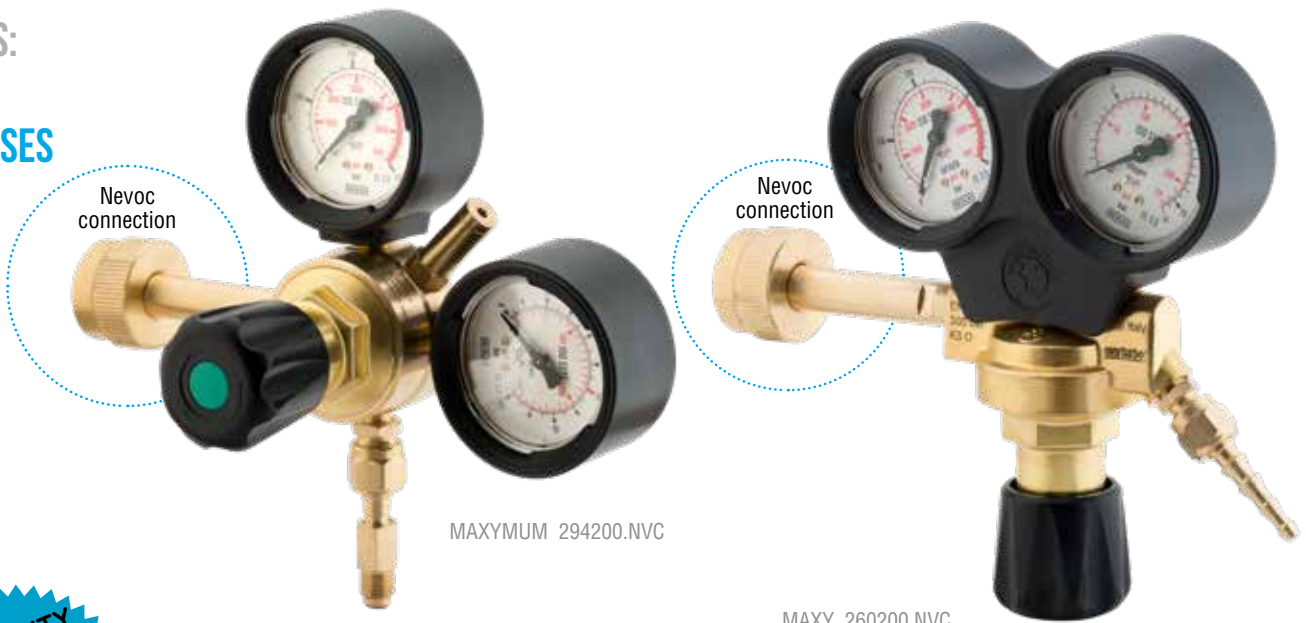
The trend towards increased cylinder filling pressures has led Oxyturbo to the adoption of the new NEVOC cylinder valve connection for industrial applications requiring 300bar pressure. **NEVOC** stands for **New European Valve Outlet Connections**. The NEVOC system was intended to be used to facilitate future harmonisation of gas cylinder valve outlets across Europe. But recently **ISO 5145** has taken over the NEVOC system.

USE

High quality engineering provides for stable regulation over the life of a cylinder, reducing gas consumption, promoting safety and increasing the efficiency of applications.

We can supply models providing outlet pressures from 10 - 200 bar, suitable for all inert gases including Nitrogen, Helium and Argon especially suitable for laser and heavy duty cutting applications.

USED GAS:
OXYGEN
INERT GASES



WARRANTY
3
YEARS

MAXIMUM NEVOC - OUTLET 3/8

P1 Inlet pressure 300 bar - P2 Outlet pressure 60-40-20 bar

GAS	Maximum 60 bar	Maximum 40 bar	Maximum 20 bar
OXYGEN	290200.NVC	290200.40NVC	290200.20NVC
INERT GASES	294200.NVC	294200.40NVC	294200.20NVC

Weight of pressure reducer **1.80 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37.5 cm** - Packaging weight **11 Kg**

MAXY NEVOC - OUTLET 1/4

P1 Inlet pressure 300 bar

GAS	P2= 10 bar with gauge	P2= 32 L/min with gauge	P2= 30 L/min with flow meter
OXYGEN	260200.NVC	-	-
INERT GASES	266200.10NVC	266200.NVC	266400.NVC

Weight of pressure reducer **1.60 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **13 Kg**



MAXY

Always the same quality, now in a refined design.

FEATURES

MAXY reducers are extremely reliable and cost effective, designed and manufactured in strict compliance with EN ISO 2503 to ensure accurate and safe gas use... even at low pressures. They are equipped with an automatic overpressure valve and sintered bronze filter on the integrated capsule inlet. Pressure regulation is extremely straightforward and smooth thanks to a new ergonomic knob. The particularly well-designed reducer body is made of brass and pickled to withstand oxidation over time.

USE

Ideal for equipping flame welding units and professional machines.

ACCURATE, STRONG, RELIABLE, INDESTRUCTIBLE

Highly reliable with internal components that ensure functionality and ease of use.



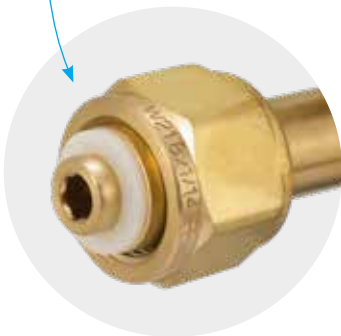
MAKE YOUR PRESSURE REDUCER BETTER PROTECT (SEE PAGE 91)

PRESSURE REDUCERS APPROVED UP TO 300 BAR

USED GAS:

- CO₂
- ARGON/MIX
- OXYGEN
- ACETYLENE
- PROPANE
- NITROGEN
- COMPRESSED AIR
- HYDROGEN/METHANE
- HELIUM

All our cylinder attaching nuts bear thread designation.



The label under the knob and the marking on the body indicate gas use. The newly designed knob has been ergonomically improved.





265200.01



266200.03

Designed for use on MIG/MAG/TIG welding machines that require high productivity and sufficient flexibility of use. They are fitted with an automatic overpressure valve and pressure gauges in compliance with ISO 5171. The CO₂ reducers can also be combined with a pre-heater (see page 71) to eliminate the "brine" effect. The argon fitting inserted in some versions allows the use of the CO₂ reducer also with argon or mixture cylinders. If present, the cap gives the pressure gauges further protection from impact.

All mano-flow meters on our Maxy reducers have been upgraded for an adjustable flow up to 32 L/min at 4 bar operating pressure.

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	G1/4	265200	266201	265200	265200	265209	265200	265200	265205
	G3/8	265250	266251	265250	265250	265259	265250	265250	265255
ARGON	G1/4	266200	266201	266203	265200	266209	266204	265200	266200
	G3/8	266250	266251	266253	265250	266259	266254	265250	266250

Weight of pressure reducer **1.30 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.00 Kg**

MAXY WITH FLOW METER

Reducers with fixed calibration flow meter 3.5 bar with 0-30 L/min scale are particularly suitable for work where flow measurement requires greater immediacy and reading precision.



266400

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 3.5 bar - Q1 standard delivery flow >2 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	G1/4	265400	266401	265400	265400	265409	265400	265400	265405
ARGON	G1/4	266400	266401	266403	265400	266409	266404	265400	266400

Weight of pressure reducer **1.50 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **9.20 Kg**

MAXY WITH TWO FLOW METERS

Reducers with two flow meters are available for special work requirements. These allow the same reducer to be used with two welding machines, which also work with different distribution.



266800

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 3.5 bar - Q1 standard delivery flow >2 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	G1/4	265800	266801	265800	265800	265809	265800	265800	265805
ARGON	G1/4	266800	266801	266803	265800	266809	266804	265800	266800

Weight of pressure reducer **1.70 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37.5 cm** - Packaging weight **10.50 Kg**

ARGON FITTINGS

These fittings also enable use of CO₂ reducers with argon/mixture cylinders.

C5649000



CODE	Description	CO ₂ pressure reducer inlet	Argon cylinder inlet	Weight (kg)	No.Pcs.
C5649000	ARGON FITTING IT	W21.80 RHE	W24.51 RHE	0.16	1
C5649001	ARGON FITTING U.S.A.	W20.91 RHE	W24.51 RHE	0.16	1
C5629000	ARGON FITTING GB	W21.80 RHE	W22.92 RHE	0.15	1
C5639000	ARGON FITTING NL/SE	W21.80 RHE	W24.32 RHI	0.09	1
C5619000	ARGON FITTING NL/SE	W24.32 RHE	W21.80 RHI	0.11	1

A very solid structure for a vertical drive and side attachment, designed and built to ensure accurate and safe gas use. The ergonomic knob allows the user to adjust the flame during the welding operation so that it remains neutral and reducing. These units are particularly suitable for heavy duty cutting in the demolition and steel industry.



260250

MAXY FOR OXYGEN

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	G1/4	260200	260201	260203	260203	260203	260200	260203	
	G3/8	260250	260251	260253	260253	260253	260250	260253	
	9/16				260293				260295
	M16X1.5				260283				260285

Weight of pressure reducer **1.45 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.80 Kg**



261250

MAXY FOR ACETYLENE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure <1.5 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
ACETYLENE BULLNOSE	G1/4 Lh	261203		261203	261203	261203	261204	261203	
ACETYLENE BULLNOSE	G3/8 Lh	261253		261253	261253	261253	261254	261253	
ACETYLENE YOKE	G1/4 Lh	261200	261201		261200	261209			
ACETYLENE YOKE	G3/8 Lh	261250	261251		261250	261259			
ACETYLENE BULLNOSE	9/16 Lh								261295
ACETYLENE BULLNOSE	M16X1.5 Lh				261283				
ACETYLENE YOKE	M16x1.5 Lh				261280				

WITH YOKE: Weight of p. reducer **1.60 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **13.00 Kg**

WITH BULLNOSE: Weight of p. reducer **1.35 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Pack.Weight **11.00 Kg**



261253

MAXY FOR PROPANE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
PROPANE	G1/4 Lh	262300	262301	262303	262301	262309	262301	262301	
	G3/8 Lh	262350	262351	262353	262351	262359	262351	262351	
	9/16 Lh								262395
	M16x1.5 Lh				262381				

Weight of pressure reducer **1.20 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **9.80 Kg**



262350

OUR OXYGEN REDUCERS DURING THE APPROVAL STAGES HAVE SUCCESSFULLY PASSED INFLAMMABILITY TESTING REQUIRED BY STANDARD ISO 2503.



264250

Constructed for use with compressed gases up to 300 bar, enabling high differential pressure output. Recommended for tyre servicing, fire extinguisher refilling and arc welding work.

MAXY FOR NITROGEN

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	G1/4	264200	264201	264203	264202	264209	264204	264202	
	G3/8	264250	264251	264253	264252	264259	264254	264252	
	9/16								264295
	M16X1.5				264282				

Weight of pressure reducer **1.35 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.00 Kg**

MAXY FOR COMPRESSED AIR

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
COMPRESSED AIR	G1/4	268200	268203	268203		268209	268203	268208	
	G3/8	268250	268253	268253		268259	268253	268258	
	9/16								268295

Weight of pressure reducer **1.45 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.80 Kg**

MAXY FOR HYDROGEN/METHANE

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
HYDROGEN/ METHANE	G1/4 Lh	263200	263201	263203	263201	263201	263201	263201	
	G3/8 Lh	263250	263251	263253	263251	263251	263251	263251	
	9/16 Lh								263295
	M16x1.5 Lh				263281				

Weight of pressure reducer **1.45 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.80 Kg**

MAXY FOR HELIUM

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
HELIUM	G1/4	267200	267201	267203	267202	267209	267204	267202	
	G3/8	267250	267251	267253	267252	267259	267254	267252	
	9/16								267295
	M16x1.5				267282				

Weight of pressure reducer **1.45 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.80 Kg**

MAKE YOUR PRESSURE REDUCER BETTER PROTECT WITH THE VARNISHED STEEL CAGE (SEE PAGE 91)



MAXY

POWER CONTROL

Pressure reducers that allow you to perfectly control the flow of gas.

FEATURES

A very solid structure for a vertical drive and side attachment, designed and built to ensure accurate and safe gas use.

The extremely well-designed reducer body is made of brass and pickled to withstand oxidation over time.

USE

Ideal for equipping MIG/MAG/TIG and flame welding units where robustness and stability are required.

STABLE DISTRIBUTION

These units are highly valued for their side tap function, which ensures high **distribution stability** and savings on gas used.



WARRANTY
3
YEARS

ALL OUR REDUCERS ARE
TESTED INDIVIDUALLY

USED GAS

CO₂

ARGON/MIX

OXYGEN

ACETYLENE

Our reducers bear a mark indicating the manufacturer's name or brand, reducer class K, the type of supply gas, the production lot number and the maximum inlet pressure.



MAXY POWER CONTROL FOR MIG/MAG/TIG WELDING

APPROVED UP TO **300 BAR**



266500

The control tap intercepts the output gas and allows flow opening, choking and shut off without having to use the main adjusting knob, which can remain adjusted for later use. For more efficient operation, we have inserted a 63mm Ø pressure gauge up to 32 L/min at 4 bar pressure.

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	G1/4	265500	266501	265500	265500	265509	265500	265500	265505
	G3/8	265550	266551	265550	265550	265559	265550	265550	265555
ARGON	G1/4	266500	266501	266503	265500	266509	266504	265500	266500
	G3/8	266550	266551	266553	265550	266559	266554	265550	266550

Weight of pressure reducer **1.45 Kg** - No.Pcs.**8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **11.80 Kg**

MAXY POWER CONTROL FOR OXY ACETYLENE WELDING

APPROVED UP TO **300 BAR**

MAXY POWER CONTROL FOR OXYGEN

The presence of the control tap in the Power Control version helps to improve the stabiliser as well as Maxy pressure reducer function.

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	G1/4	260500	260501	260503	260503	260503	260500	260503	
	G3/8	260550	260551	260553	260553	260553	260550	260553	
	9/16				260593				260595
	M16X1.5				260583				260585

Weight of pressure reducer **1.50 Kg** - No.Pcs.**8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **12.20 Kg**



260550

MAXY POWER CONTROL FOR ACETYLENE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure <1.5 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
ACETYLENE BULLNOSE	G1/4 Lh	261503		261503	261503	261503	261504	261503	
ACETYLENE BULLNOSE	G3/8 Lh	261553		261553	261553	261553	261554	261553	
ACETYLENE YOKE	G1/4 Lh	261500	261501		261500	261509			
ACETYLENE YOKE	G3/8 Lh	261550	261551		261550	261559			
ACETYLENE BULLNOSE	9/16 Lh								261595
ACETYLENE BULLNOSE	M16X1.5 Lh				261583				
ACETYLENE YOKE	M16x1.5 Lh				261580				

WITH YOKE: Weight of p. reducer **1.70 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **13.80 Kg**

WITH BULLNOSE: Weight of p. reducer **1.45 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Pack.Weight **11.80 Kg**



261550



261553

**IDEAL FOR CUTTING WORKS
IN THE DEMOLITION AND STEEL
INDUSTRY SECTOR**

EN ISO 2503



MAXY *smart*

Great Italian quality with a small price.

MAKE YOUR PRESSURE REDUCER
BETTER PROTECT WITH THE VARNISHED
STEEL CAGE (SEE PAGE 91)



A new reducer body design has made it lighter without giving up safety. The cover is manufactured of high resistance polymer and a series of joined components make it extremely cost effective.

INTEGRATED CAPSULE

Equipped with an INTEGRATED CAPSULE device with filter to afford increased reliability and easier maintenance.

The colour of the label under the knob and the marking on the body indicate gas used. The newly designed knob has been ergonomically improved.

USED GAS:

CO₂
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE

WARRANTY
3
YEARS



MAXYSMART FOR MIG/MAG/TIG WELDING

APPROVED UP TO **300 BAR**



Constructed for use with compressed gases up to 300 bar and especially suitable for use on MIG/ MAG/TIG welding machines. The new body design and cover in high resistance polymer make MaxySmart lighter but equally powerful and safe. Although not essential, we have also used 63 mm diameter 32 L/min at 4 bar pressure gauges for MaxySmart reducers.

These reducers have a double cap and injector L=110 mm.

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	G1/4	245200	246201	245200	245200	245209	245200	245200	245205
	G3/8	245250	246251	245250	245250	245259	245250	245250	245255
ARGON	G1/4	246200	246201	246203	245200	246209	246204	245200	246200
	G3/8	246250	246251	246253	245250	246259	246254	245250	246250

Weight of pressure reducer **1.25 Kg** - No.Pcs **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **10.20 Kg**

MAXYSMART FOR OXY ACETYLENE AND OXY PROPANE WELDING

APPROVED UP TO **300 BAR**

MAXYSMART FOR OXYGEN

Constructed in accordance with EN ISO 2503, this unit allows easy pressure reading on the pressure gauges and precise regulation of dispensing thanks to the newly designed ergonomic knob.

The acetylene version is available with two different types of cylinder attachment depending on user needs: with ring nut or bracket.

These reducers are all supplied with an installed double cap.

K pressure reducer class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	G1/4	240200	240201	240203	240203	240203	240200	240203	
	G3/8	240250	240251	240253	240253	240253	240250	240253	
	9/16				240293				240295
	M16X1.5				240283				240285

Weight of pressure reducer **1.30 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **10.60 Kg**

MAXYSMART FOR ACETYLENE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure <1.5 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
ACETYLENE BULLNOSE	G1/4 Lh	241203		241203	241203	241203	241204	241203	
ACETYLENE BULLNOSE	G3/8 Lh	241253		241253	241253	241253	241254	241253	
ACETYLENE YOKE	G1/4 Lh	241200	241201		241200	241209			
ACETYLENE YOKE	G3/8 Lh	241250	241251		241250	241259			
ACETYLENE BULLNOSE	9/16 Lh								241295
ACETYLENE BULLNOSE	M16X1.5 Lh				241283				
ACETYLENE YOKE	M16x1.5 Lh				241280				

WITH YOKE: Weight of p. reducer **1.55 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **12.40 Kg**

WITH BULLNOSE: Weight of p. reducer **1.35 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Pack. Weight **11.00 Kg**

MAXYSMART FOR PROPANE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
PROPANE	G1/4 Lh	242300	242301	242303	242301	242309	242301	242301	
	G3/8 Lh	242350	242351	242353	242351	242359	242351	242351	
	9/16 Lh								242395
	M16x1.5 Lh				242381				

Weight of pressure reducer **1.15 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **9.20 Kg**

240250.03

241250.03

241253.03

242350.03

MAGNUM *smart*

WARRANTY
3
YEARS

Solid, accurate and now with a new design.

63mm diameter pressure gauges for easy pressure reading

The colour of the label on the adjusting knob and the marking on the body indicate gas used.



The cover is made of high resistance polymer
The body is machined directly from brass bar.
The front adjusting knob allows easy pressure regulation and has a new design that improves ergonomics.

USED GAS:
CO₂
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE

MAGNUMSMART FOR MIG/MAG/TIG WELDING

APPROVED UP TO **300 BAR**

Allows stable delivery even at low flow rates and are particularly suitable for long MIG/MAG/TIG welding working cycles. They have a robust brass body obtained directly from a bar. 63mm diameter pressure gauges reduce the overall dimensions, and they have a practical front adjusting knob. The standard version does not include protection on pressure gauges, which can be requested separately.

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	G1/4	285200MS	286201MS	285200MS	285200MS	285209MS	285200MS	285200MS	285205MS
	G3/8	285250MS	286251MS	285250MS	285250MS	285259MS	285250MS	285250MS	285255MS
ARGON	G1/4	286200MS	286201MS	286203MS	285200MS	286209MS	286204MS	285200MS	286200MS
	G3/8	286250MS	286251MS	286253MS	285250MS	286259MS	286254MS	285250MS	286250MS

Weight of pressure reducer **1.20 Kg** - No.Pcs. **4** - Packaging dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Packaging weight **4.80 Kg**



285200MS

286200MS

These reducers are especially suitable for use on disposable cylinders for oxy fuel welding work. The acetylene version is available with two different types of cylinder attachment depending on different user needs: with ring nut or bracket. The coloured label on the knob identifies the gas used.

MAGNUMSMART FOR OXYGEN

K pressure reducer class 4 - P1 Inlet pressure 300 bar - P2 Outlet pressure 12.5 bar - Q1 standard delivery flow 40 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	G1/4	280200MS	280201MS	280203MS	280203MS	280203MS	280200MS	280203MS	
	G3/8	280250MS	280251MS	280253MS	280253MS	280253MS	280250MS	280253MS	
	9/16				280293MS				280295MS
	M16X1.5				280283MS				280285MS

Weight of pressure reducer **1.15 Kg** - No.Pcs. 4 - Packaging dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Packaging weight **4.60 Kg**

280250MS



MAGNUMSMART FOR ACETYLENE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure <1.5 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
ACETYLENE BULLNOSE	G1/4 Lh	281203MS		281203MS	281203MS	281203MS	281204MS	281203MS	
ACETYLENE BULLNOSE	G3/8 Lh	281253MS		281253MS	281253MS	281253MS	281254MS	281253MS	
ACETYLENE YOKE	G1/4 Lh	281200MS	281201MS		281200MS	281209MS			
ACETYLENE YOKE	G3/8 Lh	281250MS	281251MS		281250MS	281259MS			
ACETYLENE BULLNOSE	9/16 Lh								281295MS
ACETYLENE BULLNOSE	M16X1.5 Lh				281283MS				
ACETYLENE YOKE	M16x1.5 Lh				281280MS				

WITH YOKE: Weight of p.reducer **1.40 Kg** - No.Pcs.4 - Pack. dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Pack.Weight **5.60 Kg**

WITH BULLNOSE: Weight of p. reducer **1.15 Kg** - No.Pcs.4 - Pack. dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Pack.weight **4.60 Kg**

281250MS



281253MS



282350MS



MAGNUMSMART FOR PROPANE

K pressure reducer class 1 - P1 Inlet pressure 25 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
PROPANE	G1/4 Lh	282300MS	282301MS	282303MS	282301MS	282309MS	282301MS	282301MS	
	G3/8 Lh	282350MS	282351MS	282353MS	282351MS	282359MS	282351MS	282351MS	
	9/16 Lh								282395MS
	M16X1.5 Lh				282381MS				

Weight of pressure reducer **1.10 Kg** - No.Pcs. 6 - Packaging dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Packaging weight **6,80 Kg**

K pressure reducer class 4 - P1 Inlet pressure 300 bar - P2 Outlet pressure 12.5 bar - Q1 standard delivery flow 40 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	G1/4	284200MS	284201MS	284203MS	284202MS	284209MS	284204MS	284202MS	
	G3/8	284250MS	284251MS	284253MS	284252MS	284259MS	284254MS	284252MS	
	9/16								284295MS
	M16X1.5				284282MS				

Weight of pressure reducer **1.30 Kg** - No.Pcs.4 - Packaging dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Packaging weight **5.20 Kg**



284250MS

MAGNUM *smart* REAR SIDE

A new reducer with rear side connection designed for kits with rechargeable cylinders.

WARRANTY
3
YEARS

The new design of the high impact resistance polymer caps makes this reducer robust and durable

The cover is made of high resistance polymer



63mm diameter pressure gauges for easy pressure reading

The body is machined directly from brass bar

The rear connection ensures easy pressure reading on pressure gauges and the front adjusting knob allows for easy adjustment.

USED GAS:
OXYGEN
ACETYLENE
PROPANE

MAGNUMSMART REAR SIDE FOR OXY ACETYLENE AND OXY PROPANE WELDING

APPROVED UP TO **300 BAR**

These reducers are especially suitable for equipping welding kits with rechargeable cylinders. The rear connection enables easy reducer installation and pressure adjustment is facilitated by the front knob.

MAGNUMSMART REAR SIDE FOR OXYGEN

K pressure reducer class 4 - P1 Inlet pressure 300 bar - P2 Outlet pressure 12.5 bar - Q1 standard delivery flow 40 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	G1/4	280500MS	280501MS	280503MS	280503MS	280503MS	280500MS	280503MS	
	G3/8	280550MS	280551MS	280553MS	280553MS	280553MS	280550MS	280553MS	
	9/16				280593MS				280595MS
	M16X1.5				280583MS				280585MS

Weight of pressure reducer **1.15 Kg** - No.Pcs.**4** - Packaging dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Packaging weight **4.60 Kg**



280550MS

MAGNUMSMART REAR SIDE FOR ACETYLENE

K pressure reducer class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure <1.5 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
ACETYLENE BULLNOSE	G1/4 Lh	281503MS		281503MS	281503MS	281503MS	281504MS	281503MS	
ACETYLENE BULLNOSE	G3/8 Lh	281553MS		281553MS	281553MS	281553MS	281554MS	281553MS	
ACETYLENE YOKE	G1/4 Lh	281500MS	281501MS		281500MS	281509MS			
ACETYLENE YOKE	G3/8 Lh	281550MS	281551MS		281550MS	281559MS			
ACETYLENE BULLNOSE	9/16 Lh								281595MS
ACETYLENE BULLNOSE	M16X1.5 Lh				281583MS				
ACETYLENE YOKE	M16x1.5 Lh				281580MS				

WITH YOKE: Weight of p.reducer **1.40 Kg** - No.Pcs. **4** - Pack. dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Pack.Weight **5.60 Kg**

WITH BULLNOSE: Weight of p. reducer **1.15 Kg** - No.Pcs. **4** - Pack. dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Pack.Weight **4.60 Kg**



281553MS

MAGNUMSMART REAR SIDE FOR PROPANE

K pressure reducer class 1 - P1 Inlet pressure 25 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 5 m³/h

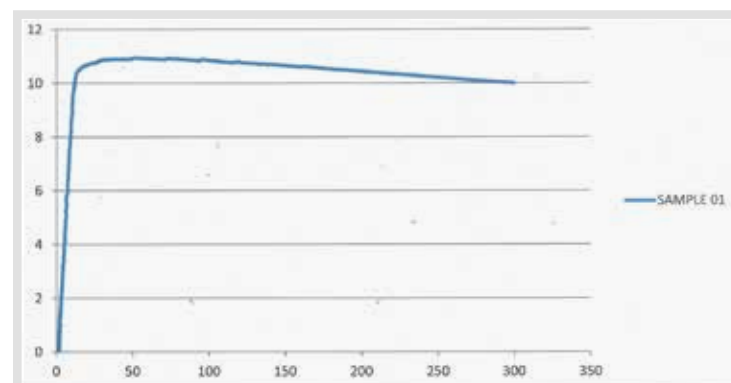
GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
PROPANE	G1/4 Lh	282500MS	282501MS	282503MS	282501MS	282509MS	282501MS	282501MS	
	G3/8 Lh	282550MS	282551MS	282553MS	282551MS	282559MS	282551MS	282551MS	
	9/16 Lh								282595MS
	M16X1.5 Lh				282581MS				

Weight of pressure reducer **1.10 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Packaging weight **6.80 Kg**



282550MS

COEFFICIENT OF IRREGULARITY OF OXYGEN REDUCERS



Our Apragaz approved pressure reducers have been tested in compliance with EN ISO 2503 and a graph of the coefficient of irregularity has been reconstructed for each reducer.

MINI

The first and most valued reducer in the Oxyturbo range, "inspiring" other reducer manufacturers.

Mini is a compact reducer, designed and constructed for MIG/MAG-TIG welding equipment. Thanks to its high reliability and small size, this unit has become a standard for mobile equipment.

The highest performance in the small-sized Mini reducer:

- Safety valve in accordance with standard EN ISO 2503
- High resistance integrated capsule
- Unremovable knob with mechanical support

USE

Suitable for:

- Small mobile flame welding units
- Professional MIG/MAG-TIG welding machines
- Special applications

USED GAS:
CO₂
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE

WARRANTY
3
YEARS



Indelible marking on each individual reducer body.

Despite their small dimensions, these reducers are tested for an inlet pressure up to 300 bar which makes them the most suitable reducers for use with mobile equipment and for continuous MIG/MAG/TIG welding. The CO₂ and argon versions are provided with an output hose connection. Available in versions with two pressure gauges with only low or high-pressure, or without pressure gauges to fully meet the needs of each end user.

2 GAUGES



255200

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	GAUGES	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	H.P. + L.P.	255200	256201	255200	255200	255209	255200	255200	255205
ARGON	H.P. + L.P.	256200	256201	256203	255200	256209	256204	255200	256200

Weight of pressure reducer **0.70 Kg** - No.Pcs.**16** - Packaging dimensions (l x w x h) **41 x 36 x 24 cm** - Packaging weight **11,40 Kg**

H.P. GAUGE



255100

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	GAUGES	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	H.P.	255100	256101	255100	255100	255109	255100	255100	255105
ARGON	H.P.	256100	256101	256103	255100	256109	256104	255100	256100

Weight of pressure reducer **0.60 Kg** - No.Pcs.**30** - Packaging dimensions (l x w x h) **41 x 36 x 24 cm** - Packaging weight **18.20 Kg**

L.P. GAUGE



256300

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	GAUGES	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	L.P.	255300	256301	255300	255300	255309	255300	255300	255305
ARGON	L.P.	256300	256301	256303	255300	256309	256304	255300	256300

Weight of pressure reducer **0.60 Kg** - No.Pcs.**30** - Packaging dimensions (l x w x h) **41 x 36 x 24 cm** - Packaging weight **18.20 Kg**

NO GAUGES



256000

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow >2 m³/h

GAS	GAUGES	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO ₂	NO GAUGES	255000	256001	255000	255000	255009	255000	255000	255005
ARGON	NO GAUGES	256000	256001	256003	255000	256009	256004	255000	256000

Weight of pressure reducer **0.50 Kg** - No.Pcs.**50** - Packaging dimensions (l x w x h) **46 x 29.5 x 26 cm** - Packaging weight **25.00 Kg**

MINI FOR OXY ACETYLENE AND OXY PROPANE WELDING

The rear connection, with its small size and front adjusting knob make these reducers highly used in oxy acetylene and oxy propane welding kits. Units are supplied with black pressure gauge protective caps and the gas used is identified by the label on the adjusting knob.

250250



MINI FOR OXYGEN

K pressure reducer class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 5 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	G1/4	250200	250201	250203	250203	250203	250200	250203	
	G3/8	250250	250251	250253	250253	250253	250250	250253	
	9/16				250293				250295
	M16X1.5				250283				250285

Weight of pressure reducer **0.80 Kg** - No.Pcs.**16** - Packaging dimensions (l x w x h) **41 x 36 x 24 cm** - Packaging weight **13,00 Kg**

MINI FOR ACETYLENE

K pressure reducer class 1 - P1 Inlet pressure 25 bar - P2 Outlet pressure <0,8 bar - Q1 standard delivery flow > 1 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
ACETYLENE BULLNOSE	G1/4 LH	251203		251203	251203	251203	251204	251203	
ACETYLENE BULLNOSE	G3/8 LH	251253		251253	251253	251253	251254	251253	
ACETYLENE YOKE	G1/4 LH	251200	251201		251200	251209			
ACETYLENE YOKE	G3/8 LH	251250	251251		251250	251259			
ACETYLENE BULLNOSE	9/16 LH								251295
ACETYLENE BULLNOSE	M16X1.5 LH				251283				
ACETYLENE YOKE	M16X1.5 LH				251280				

WITH YOKE: Weight of p. reducer **1.10 Kg** - No.Pcs.**6** - Pack. dimensions (l x w x h) **30.5 x 45.5 x 16.5 cm** - Pack.Weight **6.80 Kg**

WITH BULLNOSE: Weight of p. reducer **0.85 Kg** - No.Pcs.**16** - Pack. dimensions (l x w x h) **41 x 36 x 24 cm** - Pack.Weight **13,80 Kg**

251250



251253



MINI FOR PROPANE

K pressure reducer class 0 - P1 Inlet pressure 25 bar - P2 Outlet pressure 1.5 bar - Q1 standard delivery flow > 1 m³/h

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
PROPANE	G1/4 LH	252300	252301	252303	252301	252309	252301	252301	
	G3/8 LH	252350	252351	252353	252351	252359	252351	252351	
	9/16 LH								252395
	M16X1.5 LH				252381				

Weight of pressure reducer **0.65 Kg** - No.Pcs. **30** - Packaging dimensions (l x w x h) **41 x 36 x 24 cm** - Packaging weight **19.70 Kg**

252350



PRESSURE REDUCERS FOR DISPOSABLE CYLINDERS

Oxyturbo also produces pressure reducers used for industrial gases in disposable cylinders. Cylinder attachment is derived and integrated directly into the body of the reducer. A pin permits opening of the cylinder and a gasket guarantees the seal of its valve.

All our reducers are constructed in compliance with standard EN ISO 2503 which requires:

- Safety valve
- Obligatory marking
- Gauges according to the standard
- Unremovable pressure adjusting knob

Failure to comply with only of the mentioned conditions indicates that the pressure reducer shall no more be in compliance with the standard.

**ALL OUR PRESSURE
REDUCERS ARE TESTED
INDIVIDUALLY TO ENSURE
USER SAFETY**

MIGNON

Small reducers with high performance for CO₂ / Argon / Mix / Nitrogen



WARRANTY
3
YEARS

Even the small size of these reducers still manage to offer high performance:

- Safety valve in accordance with standard EN ISO 2503
- High resistance integrated capsule with mechanical lock
- Unremovable pressure adjusting knob
- Mechanical locking system on cylinder to preserve OR sealing.

Reliable and safe, equipped with overpressure exhaust device and high and/or low pressure 40 diameter pressure gauges.

USE

Reducers built for intermediate pressure with disposable cylinders for MIG/MAG welding machines.

SMALL BUT EFFICIENT

Their size allows them to be widely used in small spaces without affecting their efficiency.

MIGNON FOR DISPOSABLE CYLINDERS

MIGNON FOR MIG/MAG WELDING

K pressure reducer class 1 - P1 Inlet pressure 150 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow < 1 m³/h

CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
225200	MIGNON CO ₂ /ARGON/MIX 2 gauges	M10X1RH	0.50	30	41 x 36 x 24	15.20
225300	MIGNON CO ₂ /ARGON/MIX L.P. gauge	M10X1RH	0.45	30	41 x 36 x 24	13.70
225100	MIGNON CO ₂ /ARGON/MIX H.P. gauge	M10X1RH	0.45	30	41 x 36 x 24	13.70
225000	MIGNON CO ₂ /ARGON/MIX NO gauges	M10X1RH	0.35	50	46 x 29.5 x 26	17.70

225200



225300



225000



MIGNON NITROGEN FOR SPECIAL APPLICATIONS

K pressure reducer class 1 - P1 Inlet pressure 150 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow < 1 m³/h

CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
324280	MIGNON NITROGEN 2 gauges	M10X1RH	0.50	16	41 x 36 x 24	15.20
324380	MIGNON NITROGEN L.P. gauge	M10X1RH	0.45	30	41 x 36 x 24	13.70
324180	MIGNON NITROGEN H.P. gauge	M10X1RH	0.45	30	41 x 36 x 24	13.70
324080	MIGNON NITROGEN NO gauges	M10X1RH	0.35	50	46 x 29.5 x 26	17.70

EN ISO 2503

MICRO

Small vertical drive reducers ideal for "do-it-yourself" works



WARRANTY
3
YEARS

Extremely small, these units enable delivery control via low pressure gauge.

USE

Ideal for disposable cylinders for small MIG welding machines.

EASY AND PRACTICAL

Easy to use and small in size for fast installation and practical use.

MICRO FOR TIG WELDING



K pressure reducer class 1 - P1 Inlet pressure 130 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow < 1 m³/h

CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
215300	Micro Co ₂ /Argon/Mix L.p. Gauge	M10X1RH	0.25	50	46 x 29.5 x 26	12.70
215000	Micro Co ₂ /Argon/Mix No Gauges	M10X1RH	0.17	60	35 x 19 x 17	10.40

DISPOSABLE BOTTLES



CODE	Description	Outlet	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
485300	CO ₂ Cylinder 390g 950cc	M10X1	1.60	12	32 x 26 x 34	19.40
485600	CO ₂ Cylinder 2,2 L 1200g with foot stand	M10X1	4.00	4	24 x 24 x 40	16.60
486301	ARGON Cylinder 110bar 950cc	M10X1	1.35	12	32 x 26 x 34	16.40
486400	ARGON EXTERNAL 110bar 2,2 L with foot stand	M10X1	3.20	4	24 x 24 x 40	13.00
486351	MIX Cylinder 110bar 950cc	M10X1	1.35	12	32 x 26 x 34	16.40
486451	MIX Cylinder 110bar 2,2 L with foot stand	M10X1	3.20	4	24 x 24 x 40	13.30
484300	Nitrogen cylinder 1 L 110 bar	M10X1	1.30	12	32 X 24 X 34	15.80
484400	Nitrogen cylinder 2,2 L with foot stand - 110 bar	M10X1	4.00	4	24 X 24 X 40	16.20



FITTINGS AND ACCESSORIES

NUTS AND HOSE CONNECTIONS

Carefully and expertly machined. Normally provided as standard on our pressure reducers.



CODE	Description	Weight (kg)	No.Pcs.
490480	1/4	0.03	1
490430	1/4 LH	0.03	1
490380	3/8	0.04	1
490330	3/8 LH	0.04	1
490580	M16X1.5	0.04	1
490530	M16X1.5 LH	0.04	1
490650	9/16 - 18UNF	0.04	1
490630	9/16 - 18UNF LH	0.04	1
490385	KIT FITTINGS POOL 3/8" - 1/4 SAE - 5/16 SAE	0.07	1



PRE-HEATER

Allows for elimination of the "brine" effect on CO₂ reducers. CE approved. Minimum current consumption.

CODE	Description	Weight (kg)	No.Pcs.
299705	220 VOLT - 25 W	1.60	1
299705.DE	220 VOLT - 25 W with SCHUKO	1.70	1
299706	230 VOLT - 75 W	0.85	1



FLOWMETER

Provides high reading accuracy of the operating pressure indicated on the internal scale (3.5 bar). The inner ball is easily visible and immediate reading is provided thanks to the presence of the two-colour silk-screen column (black writing on a white background).

CODE	Description	Weight (kg)	No.Pcs.
290300	Flowmeter	0.26	1

D0932004



D0932002

D0913000

INJECTOR GASKETS

Sealing gaskets for reducer connection to cylinders. They differ based on the gas with which they will be used.

CODE	Description	Weight (kg)	No.Pcs.
D0932002	Gasket for nitrogen injector 19x8.2x3.2 in Teflon	0.08	1
D0932004	Gasket for CO ₂ /Argon/O ₂ /C ₂ H ₂ injector 18.5x11.5x2 in natural polyamide	0.04	1
D0913000	Gasket for propane/hydrogen injector 16.9x10.3x2 in NBR	0.03	1



FLOWMETER FOR TORCH

0-30 L/min

A torch insertion shape has been designed to allow reading on the column up to 30 L/min.

CODE	Description	Weight (kg)	No.Pcs.
260090	Flowmeter for torch	0.033	1

GAUGES

OXYGEN HIGH PRESSURE

CODE	Description	Pressure	Ø mm	Connection	Range	Red mark
Q6030510I	MAXY	HIGH	63	G1/4-R	0-400	300
Q6030511I	MAXY SMART	HIGH	63	G1/4-R	0-400	300
Q6030511I	MAGNUM SMART	HIGH	63	G1/4-R	0-400	300
Q6030511I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-400	300
Q6030510I	MAXYMUM	HIGH	63	G1/4-R	0-400	300
Q5000101I	MINI	HIGH	50	G1/8-R	0-315	230

OXYGEN LOW PRESSURE

Q6160501I	MAXY	LOW	63	G1/4-R	0-16	10
Q6160503I	MAXY SMART	LOW	63	G1/4-R	0-16	10
Q6160503I	MAGNUM SMART	LOW	63	G1/4-R	0-16	10
Q6160503I	MAGNUM SMART RS	LOW	63	G1/4-R	0-16	10
Q6140500I	MAXYMUM	LOW	63	G1/4-R	0-160	100
Q6170500I	MAXYMUM	LOW	63	G1/4-R	0-100	60
Q6600500I	MAXYMUM	LOW	63	G1/4-R	0-60	46
Q6400504I	MAXYMUM	LOW	63	G1/4-R	0-40	25
Q6161500I	GAS POINT	LOW	63	G1/4-P	0-16	10
Q6171500I	GAS POINT LASER	LOW	63	G1/4-P	0-100	60
Q5060101I	MINI	LOW	50	G1/8-R	0-6	4

ACETYLENE HIGH PRESSURE

Q6400501I	MAXY	HIGH	63	G1/4-R	0-40	26
Q6400503I	MAGNUM SMART	HIGH	63	G1/4-R	0-40	26
Q6400503I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-40	26
Q6400503I	MAXY SMART	HIGH	63	G1/4-R	0-40	26
Q5400100I	MINI	HIGH	50	G1/8-R	0-40	25

ACETYLENE LOW PRESSURE

Q6420501I	MAXY	LOW	63	G1/4-R	0-2,5	1.5
Q6420503I	MAGNUM SMART	LOW	63	G1/4-R	0-2,5	1.5
Q6420503I	MAGNUM SMART RS	LOW	63	G1/4-R	0-2,5	1.5
Q6420503I	MAXY SMART	LOW	63	G1/4-R	0-2,5	1.5
Q6421500I	GAS POINT	LOW	63	G1/4-P	0-2,5	1.5
Q5420100I	MINI	LOW	50	G1/8-R	0-2,5	1,8

PROPANE LOW PRESSURE

Q6060501I	MAXY	LOW	63	G1/4-R	0-6	4
Q6060501I	MAGNUM RS	LOW	63	G1/4-R	0-6	4
Q6060501I	MAGNUM SMART	LOW	63	G1/4-R	0-6	4
Q6060501I	MAGNUM SMART RS	LOW	63	G1/4-R	0-6	4
Q6061500I	GAS POINT	LOW	63	G1/4-P	0-6	4
Q5420100I	MINI	LOW	50	G1/8-R	0-2,5	1,8

NITROGEN HIGH PRESSURE

Q6030500I	MAXY	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAGNUM RS	HIGH	63	G1/4-R	0-400	300
Q6030502I	MAGNUM SMART	HIGH	63	G1/4-R	0-400	300
Q6030502I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAXY PLUS	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAXYMUM	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAJOR HP	HIGH	63	G1/4-R	0-400	300
Q6030500I	MEGA HP	HIGH	63	G1/4-R	0-400	300
Q5000101I	MIGNON	HIGH	50	G1/8-R	0-315	230

NITROGEN LOW PRESSURE

Q6160502I	MAXY	LOW	63	G1/4-R	0-16	10
Q6160502I	MAGNUM RS	LOW	63	G1/4-R	0-16	10
Q6160502I	MAGNUM SMART	LOW	63	G1/4-R	0-16	10
Q6160502I	MAGNUM SMART RS	LOW	63	G1/4-R	0-16	10
Q6400504I	MAXY PLUS	LOW	63	G1/4-R	0-40	25
Q6140500I	MAXYMUM	LOW	63	G1/4-R	0-160	100
Q6170500I	MAXYMUM	LOW	63	G1/4-R	0-100	60
Q6600500I	MAXYMUM	LOW	63	G1/4-R	0-60	46
Q6400504I	MAXYMUM	LOW	63	G1/4-R	0-40	25
Q6170500I	MAJOR HP	LOW	63	G1/4-R	0-100	60
Q6521500I	GAS POINT	LOW	63	G1/4-P	0-6	32 L/min=4bar
Q6171500I	GAS POINT LASER	LOW	63	G1/4-P	0-100	60
Q5160501I	MIGNON	LOW	50	G1/8-R	0-16	10



CO₂ / ARGON HIGH PRESSURE

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
Q6030500I	MAXY	HIGH	63	G1/4-R	0-400	300
Q6030502I	MAXY SMART	HIGH	63	G1/4-R	0-400	300
Q6030502I	MAGNUM SMART	HIGH	63	G1/4-R	0-400	300
Q6030502I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-400	300
Q5000101I	MINI	HIGH	50	G1/8-R	0-315	230
Q4020100I	MIGNON	HIGH	40	G1/8-R	0-315	230

CO₂ / ARGON LOW PRESSURE

Q6520503I	MAXY	LOW	63	G1/4-R	0-6	32 L/min=4 bar
Q6520505I	MAXY SMART	LOW	63	G1/4-R	0-6	32 L/min=4 bar
Q6520505I	MAGNUM SMART	LOW	63	G1/4-R	0-6	32 L/min=4 bar
Q6520505I	MAGNUM SMART RS	LOW	63	G1/4-R	0-6	32 L/min=4 bar
Q6521500I	GAS POINT	LOW	63	G1/4-RS	0-6	32 L/min=4bar
Q6061500I	GAS POINT CON FLUSSOMETRI	LOW	63	G1/4-RS	0-6	4
Q5520102I	MINI	LOW	50	G1/8-R	0-6	12 L/min=4 bar
Q4520100I	MIGNON	LOW	40	G1/8-R	0-6	6 L/min=4 bar
Q4520100I	MICRO	LOW	40	G1/8-R	0-6	6 L/min=4 bar

HELIUM/HYDROGEN/COMPRESSED AIR HIGH PRESSURE

Q6030500I	MAXY	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAXY LIFT	HIGH	63	G1/4-R	0-400	300
Q4020100I	MINIMUMFLY	HIGH	40	G1/8-R	0-315	230

HELIUM/HYDROGEN/COMPRESSED AIR LOW PRESSURE

Q6160502I	MAXY	LOW	63	G1/4-R	0-16	10
Q6160510I	MAXY LIFT	LOW	63	G1/4-R	0-20	12,5
Q6161500I	GAS POINT	LOW	63	G1/4-RS	0-16	10

AZOIDRO HIGH PRESSURE

Q6030500I	MAJOR HP	HIGH	63	G1/4-R	0-400	300
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AZOIDRO LOW PRESSURE

Q6170500I	MAJOR HP	LOW	63	G1/4-R	0-100	60
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*R= radial connection

*RS= rear connection

Oxyturbo reserves the right to deliver available gauges, ensuring their proper operation.

GAUGES GASKET



CODE	Description	Weight (kg)	No.Pcs.
D0943001	Gasket for G1/8 gauges	0.08	100

GAUGES PROTECTIONS



CODE	Description	Weight (kg)	No.Pcs.
Q0060302	Black smooth cap ø 63mm	0.03	1
Q0070300	Double cap ø 63 mm for Maxy and MaxySmart	0.14	1
Q0050302	Black smooth cap ø 50mm	0.026	1

GAUGES CAGE

Only for Maxy and Maxysmart.



CODE	Description	Weight (kg)	No.Pcs.
198890	Gauges cage in black varnished steel	0.7	1





FLAME WELDING

Oxyturbo offers a wide range of products for oxy propane and oxy acetylene flame welding equipment. These complete and easy-to-use systems are characterised by the availability of high-capacity cylinders for long and practical operation. The Oxyturbo flame welding solutions include various size and type items (welding and cutting torches, numerous tips and accessories) all designed to aid professional operators in optimising their work and results.

Especially popular are the MINI and MAXI kit versions which make welding work even easier and more straight forward.

The company quality system has been certified EN ISO 9001 since 1996-certificate No. IT96/0040. Oxyturbo also uses a traceability system that allows you to know the life of the product which helps to ensure its manufacturing history is easy to see and document.

SAFE OPERATION

PERIODIC MAINTENANCE OF EQUIPMENT

UNI 11627 is the UNI reference standard for the periodic maintenance and checking of manual gas welding and cutting equipment. It covers the related techniques connected downstream of the cylinder valve or, in the case of centralised distribution, of mobile equipment downstream of the point of use. This standard describes the methods and frequency of verifications by the type of product, which integrate but do not replace the requirements that the manufacturer highlights in the use and maintenance manual related to their individual products.

EQUIPMENT	VISUAL INSPECTION - VERIFICATION SEAL TESTING			FREQUENCY OF COMPLETE OVERHAUL OR REPLACEMENT (1)
	EACH TIME THE CYLINDER IS REPLACED OR COMPONENTS ARE CONNECTED	EACH TIME EQUIPMENT IS USED	ANNUALLY	
General, common to all equipment (1)	Follow manufacturer instructions. Always include: Visual inspection to determine the appropriateness of equipment for the intended use (for example: the type of gas, pressure, flow rate), absence of damage, absence of grease or oily residue (<i>see below for details for each specific piece of equipment</i>)	Visual inspection to determine the appropriateness of equipment for the intended use (for example: the type of gas, pressure, flow rate), absence of damage, absence of grease or oily residue (<i>see below for details for each specific piece of equipment</i>)	Includes verifications required each time cylinders are replaced or any components are connected. Specific checks are required for each type of equipment connected. (see below): (<i>This check can be made more frequently depending on the conditions of use</i>)	This check can be made more frequently depending on the conditions of use
Flexible hoses (2)	<ul style="list-style-type: none"> • Check the colours of hoses according to the type of gas. Visual inspection to ensure the proper conditions and integrity of hoses (i.e. no shrinkage, cracking, abrasion, etc.) Hose and junction seal to be tested at operating pressure	<ul style="list-style-type: none"> • Visual inspection to ensure the proper condition and integrity of hoses (i.e. no shrinkage, cracking, abrasion, etc) 	<ul style="list-style-type: none"> • Visual inspection on bent hoses to determine the absence of tears, bulges, damage and cracks. • Hose seal test at maximum operating pressure 	Replacement: <ul style="list-style-type: none"> • If the visual inspection has detected damage. Or replace every 3 years after commissioning for heavy duty applications (for example at construction sites). <ul style="list-style-type: none"> • Maximum every 5 years after commissioning in other cases
Safety valves with flashback arrestor and gas return restrictor	Verification: <ul style="list-style-type: none"> • Ensure presence of correct number and instruction of installation. • The colours and marking are correct according to the type of gas • Junction seal testing at operating pressure 	<ul style="list-style-type: none"> • Junction seal To be tested at service pressure 	<ul style="list-style-type: none"> • Visual Inspection and seal check outwards at maximum service pressures • Gas return restrictor seal check both at minimum and maximum operating pressures 	<ul style="list-style-type: none"> • Replacement: to be evaluated in case of flashback, or within a maximum of every 5 years after commissioning, depending on the nature of use
Torches	<ul style="list-style-type: none"> • Visual inspection of the conditions of tips, particularly on sealing surfaces. • Junction seal testing at operating pressure. 	<ul style="list-style-type: none"> • Visual inspection of the conditions of tips. • Junction seal testing. 	<ul style="list-style-type: none"> • Complete visual inspection • General external seal testing • Sealing of individual valves (internal) 	<ul style="list-style-type: none"> • Overhaul or replace within a maximum 5 years from the date of commissioning

Nota:

1) Contact your local supplier regarding safety data for the gas and materials used.

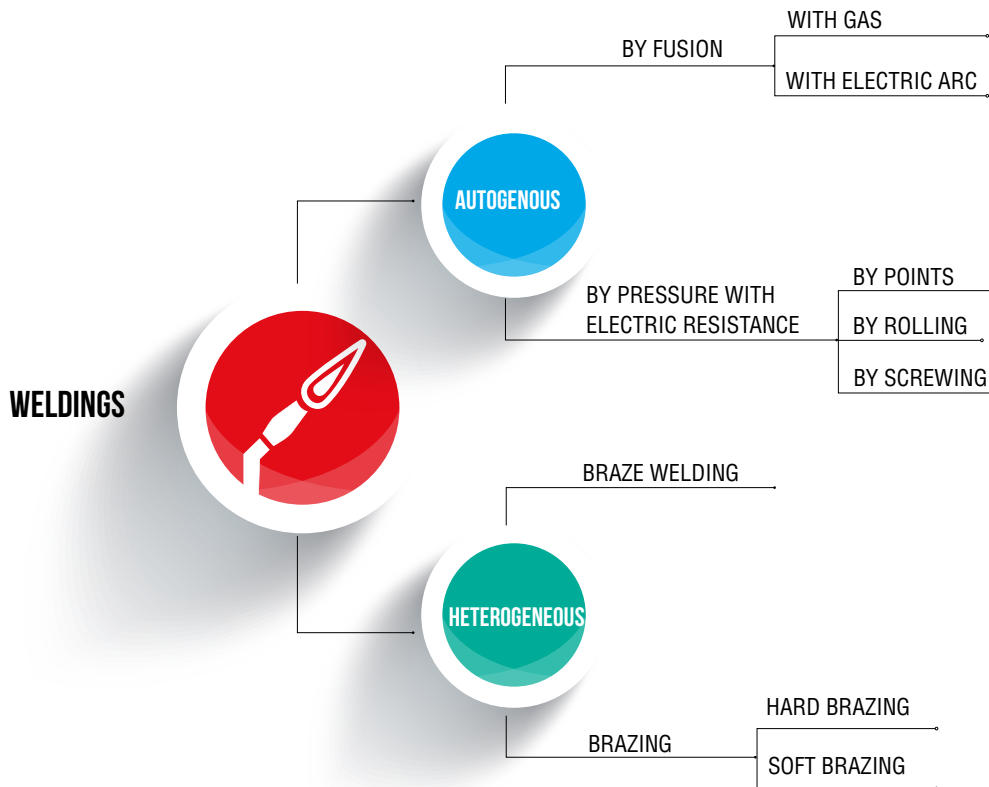
2) Please note that the date indicated on the hose is that of manufacture (UNI EN ISO 3821) and not the expiration date as is the case for gas pipes intended for other applications

It is extremely important to follow these tips and treat your equipment carefully.

All manufacturers try to produce safe materials, however a small loss of concentration by the operator during their use can have serious consequences. It is also advisable to apply safety valves on reducers to provide greater safety during daily work.

WELDING

A process used to permanently join two hot metals. It uses the flame obtained by the combustion of a gas with oxygen, with or without a filler metal as a source of heat. Gases used as fuel must have: high flame temperature, high thermal content and flame adjustment stability.



AUTOGENOUS WELDING

Is a technique that allows the connection of two metals of the same material using fusion with or without a filler metal. It includes all systems where the base metal is involved in forming the welded joint. It enables great mechanical strength and can be used for small thicknesses on sheet metal and iron pipes but depends on the physical state in which the pieces are found at the time of their union.

FUSION WELDING: A generic term for welding processes that rely upon melting to join materials of similar compositions and melting points. Gas or arc welding is determined depending on how the required heat is produced to fuse the metal.

PRESSURE WELDING: When pieces are not connected in a molten state, but when they are in a 'plastic-type' condition. This state is generally achieved by the Joule effect of passing an electric current.



HETEROGENEOUS WELDING:

Where an additional foreign metal or alloy is introduced, the melting point of which is below that of the metals to be welded.

BRAZE WELDING: The connection technique that is performed in degrees with a filler metal with a melting point lower than that of the metal itself. This type of welding allows joining of most types of metals, creating a very durable joint particularly suitable for repairs in bodywork and ironmongery.

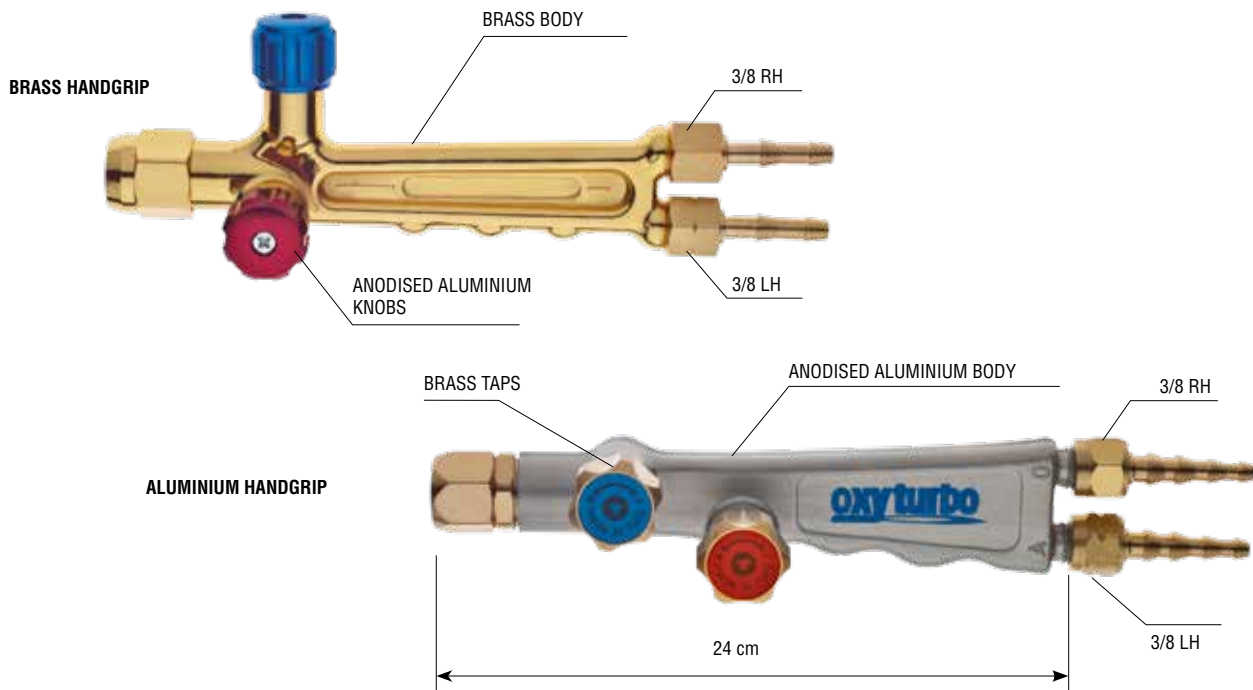
BRAZING: A bonding technique that is carried out by means of by capillary action, placing the base metal so that there is a minimum space between the parts. The base metal is heated to a temperature lower than that of its own melting point, but higher than the melting point of the filler metal which, with a gas flame, is dropped between the surfaces, moving closer to be able to penetrate by capillary action. The different types are:

- Hard brazing (melting > 400°C)
- Soft brazing (melting < 400°C)

The choice of one welding process with respect to another depends on many factors and must be made considered i.e. **the type of alloy to be welded, the thickness of the parts, the weld position, the type of production (in series or not), and the equipment available in the workshop.**

WELDING MAXI

A range complete with handgrips, lances and nozzles for welding up to 12.5 mm and cutting up to 300 mm.



MAXI HANDGRIPS FOR WELDING AND CUTTING

Oxyturbo offers two maxi handgrips: one in robust and long-lasting brass, the other in anodised lightweight and easy-to-handle aluminium.

These handgrips have been designed with a meticulous attention to detail, are easily adjustable and provided with extra-fine threaded taps which are equipped with a coloured sticker for immediate identification of gas even during use. All handles have been tested individually with an electronic digital check.

CODE	Description	Connection	Outlet	Weight (kg)	No.Pcs.
150550	BRASS HANDGRIP	M 22X1.25	3/8"RH-3/8"LH	0.70	1
150500	ALUMINIUM HANDGRIP	M 22X1.25	3/8"RH-3/8"LH	0.65	1



All lances are APRAGAZ approved and have been tested individually in operating pressure with a lit flame. All constructive components are also separately marked to ensure greater safety during coupling.

ACETYLENE WELDING LANCES

To be used on our MAXI handgrips for welding from 0.4 to 12.5 mm. Lances are supplied with nozzle.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
156101	LANCE 40 L/H	0.4	0.16	1
156102	LANCE 80 L/H	0.8	0.16	1
156103	LANCE 160 L/H	1.6	0.17	1
156104	LANCE 225 L/H	2.2	0.17	1
156105	LANCE 315 L/H	3.0	0.17	1
156106	LANCE 500 L/H	5.0	0.20	1
156107	LANCE 800 L/H	8.0	0.20	1
156108	LANCE 1250 L/H	12.5	0.22	1

ACETYLENE WELDING NOZZLES

CAUTION: sizes printed on nozzles and lances must match. **Do not install different size nozzles from the original size on lances.**



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157101	NOZZLE 40 L/H	0.4	0.04	1
157102	NOZZLE 80 L/H	0.8	0.04	1
157103	NOZZLE 160 L/H	1.6	0.04	1
157104	NOZZLE 225 L/H	2.2	0.04	1
157105	NOZZLE 315 L/H	3.0	0.04	1
157106	NOZZLE 500 L/H	5.0	0.05	1
157107	NOZZLE 800 L/H	8.0	0.05	1
157108	NOZZLE 1250 L/H	12.5	0.05	1

ACETYLENE BENDABLE LANCES

These lances are particularly useful for thermo-hydraulic works and are ideal for welding in special positions. Complete with brass mixer and special copper tubing with hammered ends.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
156203	LANCE 160 L/H	1.6	0.13	1
156204	LANCE 225 L/H	2.2	0.13	1
156205	LANCE 315 L/H	3.0	0.13	1
156206	LANCE 500 L/H	5.0	0.13	1



ASP CUTTING LANCES

These cutting lances with suction mixing guarantee the highest cutting quality. When gas is mixed in the handgrip, the lance is already ready and the gun is "fired" directly on the piece. They use AC and NX nozzles.



CODE	Description	Weight (kg)	No.Pcs.
156600	ACETYLENE	0.64	1
156650	PROPANE	0.66	1

AC AND NX ASP CUTTING NOZZLES

Nozzles should be selected based on cutting thickness and on the gas to be used. AC nozzles are to be used with acetylene, while NX nozzles are used for cutting with propane. They are both two-piece, flat housing nozzles with brass interiors and nickel-plated copper exteriors. Cutting thickness is marked directly on the nozzle and are indicative.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157600	AC ACETYLENE	5-10	0.06	1
157601	AC ACETYLENE	10-15	0.06	1
157602	AC ACETYLENE	15-25	0.06	1
157603	AC ACETYLENE	25-50	0.06	1
157604	AC ACETYLENE	50-100	0.06	1
157605	AC ACETYLENE	100-175	0.06	1
157606	AC ACETYLENE	175-250	0.06	1
157607	AC ACETYLENE	250-300	0.06	1



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157650	NX PROPANE	5-10	0.06	1
157651	NX PROPANE	10-15	0.06	1
157652	NX PROPANE	15-25	0.06	1
157653	NX PROPANE	25-50	0.06	1
157654	NX PROPANE	50-75	0.06	1
157655	NX PROPANE	75-150	0.06	1
157656	NX PROPANE	150-200	0.06	1
157657	NX PROPANE	200-300	0.06	1

MIX CUTTING LANCES



156500



They are built in two versions: with tap and with a lever. They are the most cost-effective solution for cutting small and medium-thickness metals. Mixing takes place in the cutting head for greater work safety. The mixing system reduces the path of already mixed gases practically to zero, reducing the danger of flame back flow to minimum. They use ANME and PNME nozzles.

CODE	Description	Weight (kg)	No.Pcs.
156510	CUTTING LANCE WITH LEVER	0.7	1
156500	CUTTING LANCE WITH TAP	0.7	1

ANME AND PNME MIX CUTTING NOZZLES

Nozzles should be selected based on cutting thickness and on the gas to be used. ANME nozzles are single block self-mixing copper-coated nozzles to be used for cutting with acetylene. PNME nozzles are two-piece self-mixing nozzles with brass interior and copper exterior, to be used on cutting with propane. Cutting thickness is marked directly on the nozzle and are indicative.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157500	ANME ACETYLENE	6-10	0.1	1
157501	ANME ACETYLENE	10-13	0.1	1
157502	ANME ACETYLENE	13-25	0.1	1
157503	ANME ACETYLENE	25-38	0.1	1
157504	ANME ACETYLENE	38-50	0.1	1
157505	ANME ACETYLENE	50-75	0.1	1
157506	ANME ACETYLENE	75-125	0.1	1
157507	ANME ACETYLENE	125-200	0.1	1
157508	ANME ACETYLENE	200-300	0.1	1



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157550	PNME PROPANE	6-10	0.1	1
157551	PNME PROPANE	10-13	0.1	1
157552	PNME PROPANE	13-25	0.1	1
157553	PNME PROPANE	25-38	0.1	1
157554	PNME PROPANE	38-50	0.1	1
157555	PNME PROPANE	50-75	0.1	1
157556	PNME PROPANE	75-125	0.1	1
157557	PNME PROPANE	125-200	0.1	1
157558	PNME PROPANE	200-300	0.1	1

HEATING LANCES

High heating power. These lances allow for absolute safe operation even for high power flames in all surface tempering operations, forging, heating of materials before welding, large brazing and annealing, etc. Lances are supplied with nozzle.



CODE	Description	Weight (kg)	No.Pcs.
156308	HEATING LANCE ACETYLENE 1250 L/H	0.28	1
156309	HEATING LANCE ACETYLENE 2500/4000 L/H	0.50	1
156359	HEATING LANCE PROPANE 800/1250 L/H	0.28	1
156361	HEATING LANCE PROPANE 2500/4000 L/H	0.60	1

HEATING NOZZLES

Special copper nozzles which produce a flame that enables accurate control of all fusion operations.



157308



157361

CODE	Description	Weight (kg)	No.Pcs.
157308	HEATING NOZZLES ACETYLENE 1250 L/H	0.07	1
157309	HEATING NOZZLES ACETYLENE 2500/4000 L/H	0.18	1
157359	HEATING NOZZLES PROPANE 800/1250 L/H	0.07	1
157361	HEATING NOZZLES PROPANE 2500/4000 L/H	0.17	1

WELDING MINI

A range complete with handgrips, lances and nozzles for welding up to 12.5 mm and cutting up to 50 mm for small and medium carpentry.



MINI HANDGRIPS FOR WELDING AND CUTTING

Anodised aluminium handgrips that can be used in all welding and cutting operations on small and medium carpentry. Ideal for bodywork and refrigerator technicians, allowing for welding up to 12.5mm in thickness and cutting up to 50mm with special supplied lances.

The brass taps are equipped with coloured stickers for immediate identification of gas, even during use. All handgrips have been tested individually with an electronic digital check.

CODE	Description	Connection	Outlet	Weight (kg)	No.Pcs.
140500	ALUMINIUM HANDGRIP	M 20X1.25	1/4"RH-1/4"LH	0.35	1



All lances are APRAGAZ approved and have been tested separately in operating pressure with a lit flame. All constructive components are individually marked to ensure greater safety during coupling.

ACETYLENE WELDING LANCES

These can be used on our MINI handgrips, allowing for welding with acetylene up to 12.5 mm thick. Lances are supplied with a nozzle.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
146101	LANCE 40 L/H	0.4	0.11	1
146102	LANCE 80 L/H	0.8	0.11	1
146103	LANCE 160 L/H	1.6	0.12	1
146104	LANCE 225 L/H	2.2	0.12	1
146105	LANCE 315 L/H	3.0	0.13	1
146106	LANCE 500 L/H	5.0	0.13	1
146107	LANCE 800 L/H	8.0	0.13	1
146108	LANCE 1250 L/H	12.5	0.13	1

ACETYLENE WELDING NOZZLES

CAUTION: sizes printed on nozzles and lances must match. **Do not install different size nozzles from the original on lances.**



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
147101	NOZZLE 40 L/H	0.4	0.03	1
147102	NOZZLE 80 L/H	0.8	0.03	1
147103	NOZZLE 160 L/H	1.6	0.03	1
147104	NOZZLE 225 L/H	2.2	0.03	1
147105	NOZZLE 315 L/H	3.0	0.03	1
147106	NOZZLE 500 L/H	5.0	0.03	1
147107	NOZZLE 800 L/H	8.0	0.03	1
147108	NOZZLE 1250 L/H	12.5	0.03	1

PROPANE WELDING LANCES

These can be used on our MINI handgrips, allowing for welding with propane up to 5 mm thick. Lances are supplied with a nozzle.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
146152	LANCE 100 L/H	1.0	0.11	1
146153	LANCE 160 L/H	1.6	0.11	1
146154	LANCE 225 L/H	2.5	0.12	1
146155	LANCE 315 L/H	3.0	0.12	1
146156	LANCE 500 L/H	5.0	0.12	1

PROPANE WELDING NOZZLES

CAUTION: sizes printed on nozzles and lances must match. **Do not install different size nozzles from the original size on lances.**



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
147152	NOZZLE 100 L/H	1.0	0.03	1
147153	NOZZLE 160 L/H	1.6	0.03	1
147154	NOZZLE 250 L/H	2.5	0.03	1
147155	NOZZLE 315 L/H	3.0	0.03	1
147156	NOZZLE 500 L/H	5.0	0.03	1

ACETYLENE BENDABLE LANCES

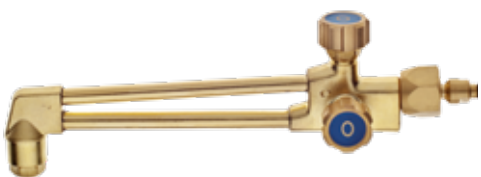
These lances are particularly useful for thermo-hydraulic works and are indicated for welding in special positions. Complete with brass mixer and special copper tubing with hammered ends.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
146203	LANCE 160 L/H	1.6	0.11	1
146204	LANCE 225 L/H	2.2	0.11	1
146205	LANCE 315 L/H	3.0	0.11	1

CUTTING LANCES

MINI handgrips can also be combined with cutting lances available in this version with a tap or lever are both for acetylene and propane. They can be combined with three different size nozzles for cutting up to 50 mm. Cutting lances have an o-ring seal protected by a nut, ensuring safe connection with handgrips.



CODE	Description	Weight (kg)	No.Pcs.
146500	ACETYLENE cutting lance with tap	0.45	1
146510	ACETYLENE cutting lance with lever	0.50	1
146550	PROPANE cutting lance with tap	0.38	1
146560	PROPANE cutting lance with lever	0.45	1

CUTTING NOZZLES

Nozzles should be selected based on cutting thickness and on the gas to be used. The acetylene nozzles are single-piece in copper, while those for propane are two-piece with a brass interior and a copper exterior. Both have flat housings. Cutting thickness is marked directly on the nozzle and are indicative.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
147601	ACETYLENE	8-20	0.03	1
147602	ACETYLENE	20-50	0.03	1
147603	ACETYLENE	50-100	0.03	1
147651	PROPANE	8-20	0.03	1
147652	PROPANE	20-50	0.03	1
147653	PROPANE	50-100	0.03	1

HEATING LANCES

With high heating power, these lances allow for absolute safe operation for high power flames in all surface tempering operations, forging, heating of materials before welding, large brazing and annealing, etc. Lances are supplied with a nozzle.



CODE	Description	Weight (kg)	No.Pcs.
146308	HEATING LANCE ACETYLENE 800/1250 L/h	0.18	1
146358	HEATING LANCE PROPANE 800/1250 L/h	0.18	1

HEATING NOZZLES

Special copper nozzles which produce a flame that enables accurate control of all fusion operations.



CODE	Description	Weight (kg)	No.Pcs.
147308	HEATING NOZZLES ACETYLENE 800/1250 L/h	0.05	1
147358	HEATING NOZZLES PROPANE 800/1250 L/h	0.05	1



CUTTING TORCHES

The best and safest solution for cutting professionals.

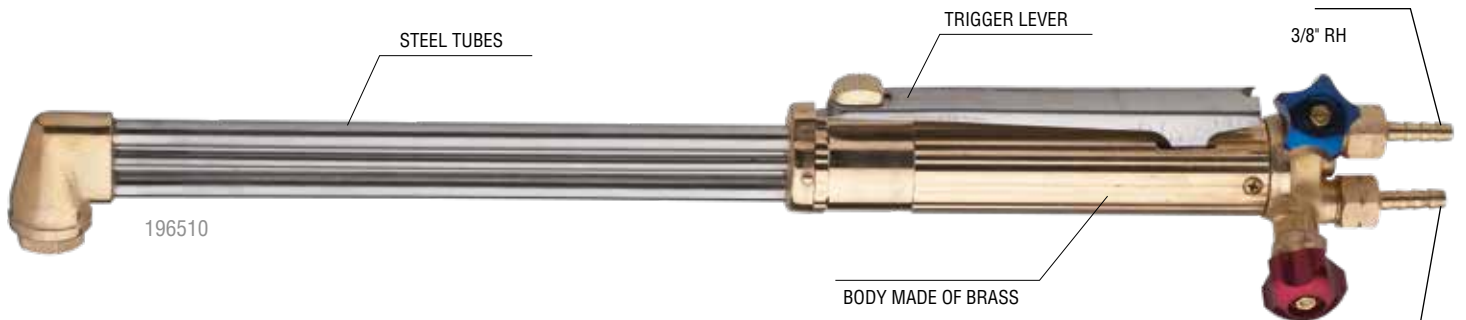
Our cutters are the best solution for all cutting applications up to 300 mm, and are especially popular in the shipbuilding industry. The extremely robust structure of the three tubes makes them particularly suitable for demolition, ensuring the best cutting quality without burring on the piece being worked on.

TO USE WITH ANME AND PNME NOZZLES

Supplied in three different lengths, **50, 85 and 115 cm**.
 Designed and constructed for cutting professionals and built to ensure maximum operational safety.
 Head mixing is extremely safe as the two gases, oxygen and acetylene or LPG, travel separately through their respective tubes.

**PERFECT FOR 300mm
AND FOR HEAVY USES**

INDESTRUCTIBLE, EASY TO HANDLE, LIGHTWEIGHT!



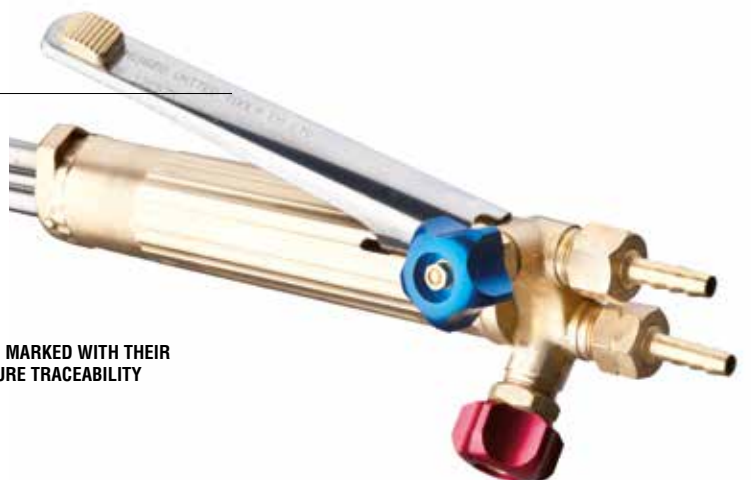
CODE	Description	Length (cm)	Weight (kg)	No.Pcs.
196510	CUTTER 250	50	1.40	1
196530	CUTTER 350	85	2.00	1
196540	CUTTER 450	115	2.35	1
196545	CUTTER 450 STRAIGHT HEAD	115	2.35	1

FOR G1 NOZZLES

CODE	Description	Length (cm)	Weight (kg)	No.Pcs.
196550	CUTTER 250 G1	50	1.40	1



ALL TORCHES ARE TESTED AND MARKED WITH THEIR PRODUCTION NUMBER TO ENSURE TRACEABILITY



ANME/PNME NOZZLES

Nozzles should be selected based on cutting thickness and on the gas to be used. ANME nozzles are single block self-mixing copper-coated nozzles to be used for cutting with acetylene. PNME nozzles are two-piece self-mixing nozzles with brass interiors and copper exteriors, to be used on cutting with propane. The indicated cutting thickness is marked directly on the nozzle.



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157500	ANME ACETYLENE	6-10	0.10	1
157501	ANME ACETYLENE	10-13	0.10	1
157502	ANME ACETYLENE	13-25	0.10	1
157503	ANME ACETYLENE	25-38	0.10	1
157504	ANME ACETYLENE	38-50	0.10	1
157505	ANME ACETYLENE	50-75	0.10	1
157506	ANME ACETYLENE	75-125	0.10	1
157507	ANME ACETYLENE	125-200	0.10	1
157508	ANME ACETYLENE	200-300	0.10	1



CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157550	PNME PROPANE	6-10	0.10	1
157551	PNME PROPANE	10-13	0.10	1
157552	PNME PROPANE	13-25	0.10	1
157553	PNME PROPANE	25-38	0.10	1
157554	PNME PROPANE	38-50	0.10	1
157555	PNME PROPANE	50-75	0.10	1
157556	PNME PROPANE	75-125	0.10	1
157557	PNME PROPANE	125-200	0.10	1
157558	PNME PROPANE	200-300	0.10	1

G1 NOZZLES

Nozzles for cutting with mixing to be used with Cutter G1. The acetylene nozzles are single block copper-coated nozzles, while the propane ones are two-piece with brass interiors and copper exteriors. Nozzle should be selected based on cutting thickness and on the gas to be used.



CODE	Nozzle hole	Nozzle hole	Thickness (mm)	Weight (kg)	No. pcs.
167502	G1 ACETYLENE	10/10	10-25	0.10	1
167504	G1 ACETYLENE	16/10	50-80	0.10	1
167505	G1 ACETYLENE	20/10	80-120	0.10	1



CODE	Nozzle hole	Nozzle hole	Thickness (mm)	Weight (kg)	No. pcs.
167552	G1 PROPANE	10/10	10-25	0.10	1
167554	G1 PROPANE	16/10	50-80	0.10	1
167555	G1 PROPANE	20/10	80-120	0.10	1

SAFETY

Safety devices have been especially designed and constructed for use in welding, oxy fuel welding and other related techniques.

It is inappropriate to use them in other different fields i.e. heating systems, domestic gas distribution networks etc.

Depending on the models, they should be used on pressure reducers, along flexible hoses (hose-hose models) or on torch handles. Normally, the most appropriate use involves one valve for each gas on the pressure reducer and one on the handle of the torch or, in place of the latter, one along the hose at a maximum distance of 1 m from the torch.

OXYTURBO valves are tested individually at 100% with digital machine and are supplied with an instructions manual with explanations of markings and installation and maintenance instructions.

Flashback arrestor valves should be replaced every five years as prescribed by standard EN 730-1, however should be checked and replaced after each flashback.

**VALVES TESTED
INDIVIDUALLY. SHOULD
BE REPLACED EVERY
5 YEARS**

GOOD WELDING ALSO EQUALS HIGHER SAFETY!

SAFETY VALVES

APRAGAZ APPROVED ACCORDING TO EN 730-1

All gas and flame back flows are caused by the alteration of the balance between the mix output speed and the combustion rate. Our valves prevent the gas and flame back flows during welding work.

In compliance with European standard EN 730-1, our valves contain:

- Valve model
- The name or brand of the manufacturer
- Standard reference number (EN 730-1)
- The functions performed by the valve (FA for flashback arrestor, NV for gas back flow)
- The type of gas (code) for which the valve has been designed

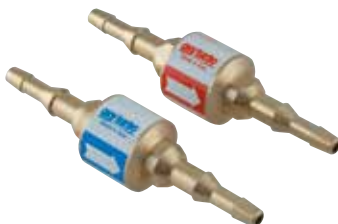
The colour of the label is also differentiated for prompt identification of valves and to facilitate easier installation and maintenance.

FLAME ARRESTOR

HOSE-HOSE SAFETY VALVE - MAX FLOW RATE 1.500 L/h

These valves are single protection: they prevent flame back flow.

They are constructed using very high-quality components. Hose connection 7-10 mm



CODE	Description	Weight (kg)	No. Pcs.
150140	OXYGEN HOSE-HOSE flame arrestor	0.10	1
150190	GAS HOSE-HOSE flame arrestor	0.10	1



FLAME BACK ARRESTOR
HOSE-HOSE



FLAME BACK ARRESTOR
VALVE FOR HANDLE



FLAME BACK ARRESTOR
HANDLE WITH HOSE CONNECTION

FLAME BACK ARRESTOR DUAL PROTECTION SAFETY VALVE - FLOW RATE 3,000 L/h

Prevents flame and gas back flow. Available in two versions: for hose-hose, with hose connection 7-11 mm and for handles, with or without hose connection.

CODE	Description	Weight (kg)	No.Pcs.
150210	Oxygen hose-hose valve	0.06	1
150260	Gas hose-hose valve	0.06	1

CODE	Description	Connection	Weight (kg)	No.Pcs.
150200	Oxygen valve for handle	1/4	0.11	1
150250	Gas valve for handle	1/4 LH	0.11	1
150205	Oxygen valve for handle	3/8	0.12	1
150255	Gas valve for handle	3/8 LH	0.12	1
150201	Oxygen valve for handle	M16X1.5	0.12	1
150251	Gas valve for handle	M16X1.5 LH	0.12	1
150202	Oxygen valve for handle	9/16	0.11	1
150252	Gas valve for handle	9/16 LH	0.11	1

CODE	Description	Connection	Weight (kg)	No.Pcs.
150211	Oxygen valve for handle with hose connection	1/4	0.14	1
150261	Gas valve for handle with hose connection	1/4 LH	0.14	1
150212	Oxygen valve for handle with hose connection	3/8	0.15	1
150262	Gas valve for handle with hose connection	3/8 LH	0.15	1
150213	Oxygen valve for handle with hose connection	M16X1.5	0.15	1
150263	Gas valve for handle with hose connection	M16X1.5 LH	0.15	1
150214	Oxygen valve for handle with hose connection	9/16	0.14	1
150264	Gas valve for handle with hose connection	9/16 LH	0.14	1

20 Ø SWIVEL FLAME BACK ARRESTORS SWIVEL SAFETY VALVES FOR REDUCERS - FLOW RATE 3,000 L/h

These carry out two important functions - Preventing flame back flow and preventing gas back flow

Their small dimensions allow them to be assembled on any reducer, however they guarantee an adequate flow even for cutting operations up to 300 mm.



FLAME BACK ARRESTOR
SWIVEL SAFETY VALVES FOR
REDUCERS

CODE	Description	Connection	Weight (kg)	No.Pcs.
150206	Oxygen	1/4	0.12	1
150256	Gas	1/4 LH	0.12	1
150208	Oxygen	3/8	0.13	1
150258	Gas	3/8 LH	0.13	1
150207	Oxygen	M16X1.5	0.13	1
150257	Gas	M16X1.5 LH	0.13	1
150209	Oxygen	9/16	0.12	1
150259	Gas	9/16 LH	0.12	1

FIXED 28 Ø FLAME BACK ARRESTOR SAFETY VALVES FOR REDUCERS - FLOW RATE 3,000 L/h

For assembly at output on pressure reducers, ensuring total protection against flame and gas back flow.

Max flow rate: 30 m³/h oxygen, 5 m³/h (propane), 5 m³/h (acetylene)



FLAME BACK ARRESTOR
FIXED FOR REDUCERS

CODE	Description	Connection	Weight (kg)	No.Pcs.
150305	Oxygen	3/8	0.25	1
150355	Gas	3/8 LH	0.25	1
150301	Oxygen	M16X1.5	0.25	1
150351	Gas	M16X1.5 LH	0.25	1
150302	Oxygen	9/16	0.24	1
150352	Gas	9/16 LH	0.24	1

CYLINDER HOLDER TROLLEYS

Product quality and safety in the transport of large size cylinders.

CE



CARRELLO VUOTO 50 LT

Oxyturbo offers a range of trolleys to facilitate the transport of cylinders, especially large ones.

A two-seater trolley is available for 50-litre, 250 mm diameter cylinders. Trolleys are equipped with a storage tray, galvanized chains, 2 full 200 mm diameter rubber wheels and 2 rear rubber pivoting full 125 mm diameter support wheels.

CODE	Description	Weight (kg)	No.Pcs.
105900	CYLINDER HOLDER TROLLEY 50 L	22.00	1

CE



CARRELLO VUOTO 14 LT

The two-seater trolleys comply with CE standards and are ideal for 14 litre cylinders. They are equipped with 2 full 200 mm diameter rubber wheels and a convenient drawer so everything you need for work is always on hand.

CODE	Description	Weight (kg)	No.Pcs.
105700	CYLINDER HOLDER TROLLEY 14 L	12.00	1



CARRELLO VUOTO 5 LT

Oxyturbo trolleys allow for cylinder handling, supporting a weight up to 30 kg. and are equipped with a convenient storage compartment.

CODE	Description	Weight (kg)	No.Pcs.
105500	ACETYLENE TROLLEY 5 L	3.70	1
105550	PROPANE TROLLEY 5 L	3.70	1
105200	TROLLEY 2 L	2.20	1



CARRELLO VUOTO 2 LT

GAS CONTROL



**Technological gas leakage detector.
An extremely useful tool for your safety.**



This product is designed to test the hermetic sealing of systems using any type of gas. The liquid used in the gas leakage detector has a special formula against corrosion if used on copper, brass and steel.

DVGW approved in accordance with DIN EN 14291

The gas leakage detector reveals any leak forming bubbles or foam.

CODE	Description	Weight (Kg)	No.Pcs.
405000.EX	DISPLAY 12 PCS. 400 g WITH ACC-U-SOL VALVE	0.46	2X12



ACC-U-SOL
VALVE

EN ISO 1326

TURBO SET SMALL WELDING KITS

**Small kits with great success for gas welding
with disposable cylinders and cartridges.
Practical and easy to handle, offering excellent results
in multiple uses.**

The international standard of comparison for those offering autogenous welding sets with non-refillable oxygen cylinders and gas cartridges. All contained in an elegant, small size metal trolley that allows for easy and convenient transportation thanks to its cylinder locking devices.

Turbo Sets are compact, powerful, high performing and provide installers with professional welding which is particularly suitable for hydraulic, air conditioning, refrigeration and soft brazing work.

Product safety is guaranteed by 4 dual-protection flashback arrestor valves positioned on the torch body and inside the reducer and the tap.

Numerous accessories, filler metals and spare parts are available making work even easier.



* Weight and dimensions refer to models 200-110-90.
The Turbo set 30 model is even smaller in size and weight



KIT:

TURBO SET 200

TURBO SET 110

TURBO SET 90

TURBO SET 30

CARTRIDGES AND CYLINDERS

SPARE PARTS

FILLER METALS



3100°C



TURBO SET 200



TURBO SET 200, SMALL AND POWERFUL

The most professional amongst small autogenous welding systems with non-refillable cylinders. Compact and in a stylish metal trolley, for powerful welding. This Turbo Set allows great flexibility in welding, brazing and heating with a choice of 5 different tips. It is the best choice for installers in thermo-hydraulics, conditioning and refrigeration. Product safety is guaranteed by 4 dual-protection flashback arrestor valves positioned on reducers and inside the torch.

ATTENTION TO DETAIL

A very compact kit: 27 cm high, an inclination of 30° to avoid overturning with fixing brackets for disposable cylinders. The presence of pressure gauges on reducers enables continued monitoring of oxygen cylinder pressure and optimisation of gas cylinder reducer regulation.

EQUIPPED WITH:

- 1 L 110 bar OXYGEN cylinder
- PRO//Max 400g CGA600 cylinder
- MIGNON oxygen and gas reducers with pressure gauge and dual-protection flashback arrestor valves
- Handle with adjusting taps and no-return integrated oxygen and gas
- 160 L lance and tip (tip in two components)
- 2 m hoses with connections
- Set of 4 tips 63-100-250-315 L (in two components)
- Protective goggles
- 2 multi-purpose wrenches
- Igniter
- Filler metal with de-oxidant

GAS CONSUMPTION

(normal regulation and 160 L tip)

117 g/h

ENDURANCE OF THE O₂
CYLINDER 0.30 h

ENDURANCE OF THE PRO//MAX
CYLINDER 3.40 h

CODE	Description	Weight (kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
111010	TURBO SET 200 M12X1	6.40	2	41 x 25 x 37	13.00
111011	TURBO SET 200 M11X1 LH	6.40	2	41 x 25 x 37	13.00

SPARE PARTS FOR TURBO SET 200

CODE	Description	Connection	Weight (kg)	No. Pcs.
220650	Pressure reducer mignon o ₂ with h.P. Gauge	M12X1	0.52	1
220651	Pressure reducer mignon o ₂ with h.P. Gauge	M11X1 LH	0.52	1
223855	Pressure reducer mignon gas with I.P. Gauge	CGA600	0.48	1
110010	Welding assembly kit complete with pressure reducers	M12X1	1.95	1
110016	Welding assembly kit complete with pressure reducers	M11X1 LH	1.95	1
110011	Welding assembly kit without pressure reducers	-	1.00	1
110601	Lance and tip	M12X1	0.06	1
110802	Malleable lance	M12X1-M8X1	0.06	1
110710.ESP	Set of 4 tips 63 - 100 - 250 - 315 L	M8X1	0.08	1



220650

223855

OPTIONAL MALLEABLE LANCE



CURRENT ACCESSOIRES



3100°C



TURBO SET 110



Supplied with PRO//Max 400g cylinder. The range includes accessories such as igniters, protective goggles, 4-tip single block star for small precision welding (goldsmiths, dental technicians, etc.), multi-purpose wrench and filler metal enabling immediate product use.

PATENTED HANDLE

New concept and design integrating no-return valves with dual protection for oxygen and gas in the body.

EQUIPPED WITH:

- 1 L 110 bar OXYGEN cylinder
- PRO//Max 400g CGA600 cylinder
- MIGNON oxygen and gas reducers, without pressure gauge, with dual-protection flashback arrestor valves
- 2 m hoses with connections
- Handle with adjusting taps and no-return integrated oxygen and gas
- 80 L lance and tip (tip in two components)
- 4-tip single block star 63-100-160-225 L for small precision welding
- Protective goggles
- Multi-purpose wrench
- Igniter
- Filler metal with de-oxidant

GAS CONSUMPTION

(normal regulation
and 80 L tip)

92 g/h

ENDURANCE OF THE O₂
CYLINDER 0.30 h

ENDURANCE OF THE PRO//MAX
CYLINDER 4.30 h

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
131090.MP	TURBO SET 110 M12x1	5.80	2	41 x 25 x 37	11.80
131091.MP	TURBO SET 110 M11X1 LH	5.80	2	41 x 25 x 37	11.80

SPARE PARTS FOR TURBO SET 110

CODE	Description	Connection	Weight (kg)	No.Pcs.
220500	Pressure reducer Mignon o ₂ without gauges	M12X1	0.36	1
220501	Pressure reducer Mignon o ₂ without gauges	M11X1 LH	0.36	1
223515	Pressure reducer Mignon gas without gauges	CGA600	0.45	1
110002	Welding assembly kit complete with pressure reducers	M12X1	1.40	1
110015	Welding assembly kit complete with pressure reducers	M11X1 LH	1.40	1
110005	Welding assembly kit without pressure reducers	-	0.60	1
110600	Lance and tip	M10X1	0.07	1
110730.ESP	Set of 4 tips 63 - 100 - 160 - 225 L	M6X1	0.06	1



223515



220500

CURRENT ACCESSOIRES



3000°C



TURBO SET 90



Compact, powerful, high performing and provides hobbyists with professional welding, particularly suitable for hydraulic, air conditioning, and refrigeration work. Product safety is guaranteed by 4 dual-protection flashback arrestor valves positioned inside the torch body, on the reducer and on the tap. Wide range of standard accessories

ATTENTION TO DETAIL

Very lightweight kit. Its practical handle and cylinder locking device ensure transportability anywhere. These details make it a useful welding kit for refrigerator technicians, goldsmiths and demanding hobbyists.

EQUIPPED WITH:

- 1 L 110 bar OXYGEN cylinder
- MAXY GAS cartridge
- MIGNON oxygen reducer, **without pressure gauge**, and gas tap, with dual-protection flashback arrestor valves
- 2 m hoses with connections
- Handle with adjusting taps and no-return integrated oxygen and gas valves
- 80 L lance and tip (tip in two components)
- 4-tip single block star 63-100-160-225 L for small precision welding
- Protective goggles
- Multi-purpose wrench
- Igniter
- Filler metal with de-oxidant

GAS CONSUMPTION

(normal regulation and 80 L tip)

92 g/h

ENDURANCE OF THE O₂ CYLINDER 0.30 h

ENDURANCE OF THE MAXY GAS CARTRIDGE 3.30 h

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
115050	TURBO SET 90 M12X1	5.50	2	41 x 25 x 37	11.20
115051	TURBO SET 90 M11X1 LH	5.50	2	41 x 25 x 37	11.20

SPARE PARTS FOR TURBO SET 90

CODE	Description	Connection	Weight (kg)	No.Pcs.
220500	Pressure reducer mignon O ₂ without gauges	M12X1	0.36	1
220501	Pressure reducer mignon O ₂ without gauges	M11X1 LH	0.36	1
201500	Gas tap	7/16	0.12	1
110000	Welding assembly kit complete with pressure reducers	M12X1	1.40	1
110001	Welding assembly kit complete with pressure reducers	M11X1 LH	1.40	1
110005	Welding assembly kit without pressure reducers	-	0.60	1
110600	Lance and tip	M10X1	0.07	1
110730.ESP	Set of 4 tips 63 - 100 - 160 - 225 L	M6X1	0.06	1



201500

220500

CURRENT ACCESSOIRES



2850°C

TURBO SET 30



TURBO SET 30: HIGH PERFORMANCE, SAFE, ECONOMIC

Autogenous brazing unit with non-refillable cylinder and cartridge with 110 bar of oxygen and 330 grams of propane/butane. Guarantees maximum safety in use and allows a wide variety of performance in multiple soft and hard brazing applications.

ALWAYS ON HAND, LIGHTWEIGHT AND EASY TO HANDLE

The ideal tool for demanding hobbyists for small DIY and modelling projects.

ATTENTION TO DETAIL

A very compact kit. Reliable with inclined cylinder holder support to prevent overturning with fastening support blocked with through screws and threaded nut.

EQUIPPED WITH:

- 1 L 110 bar OXYGEN cylinder
- Propan/Butan 330 g cartridge
- MICRO oxygen and gas reducer with no-return valves
- Handle with adjusting taps, 50 L lance and tip
- 1.5 m hoses with connections
- Protective goggles
- Filler metal with de-oxidant

GAS CONSUMPTION
(normal regulation and 50 L tip)

44 g/h

**ENDURANCE OF THE O₂
CYLINDER 1.00 h**

**ENDURANCE OF THE GAS
CARTRIDGE 7.00 h**

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
117050	TURBO SET 30 M12x1	3.15	4	37 x 29.50 x 36.5	12.80
117051	TURBO SET 30 M11X1 LH	3.15	4	37 x 29.50 x 36.5	12.80

SPARE PARTS FOR TURBO SET 30

CODE	Description	Connection	Weight (kg)	No.Pcs.
210022	Pressure reducer micro O ₂ without gauges	M12X1	0.18	1
210023	Pressure reducer micro O ₂ without gauges	M11X1 LH	0.18	1
201500	Gas tap	7/16	0.12	1
110008	Welding assembly kit complete with pressure reducers	M12X1	0.70	1
110017	Welding assembly kit complete with pressure reducers	M11X1 LH	0.70	1
110009	Welding assembly kit without pressure reducers	-	0.40	1
110602	Lance and tip	M10X1	0.07	1



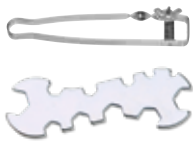
210022

201500

CURRENT ACCESSOIRES



TURBO SET SPARE PARTS AND ACCESSORIES



COMMON ACCESSORIES

Oxyturbo Turbo Sets are complemented by a range of accessories that allow for greater ease and speed of use: protective goggles, igniter with flint and multi-purpose wrench.

CODE	Description	Weight (kg)	No.Pcs.
100000	Protective goggles	0.07	1
101000	Igniter	0.05	1
102000	Multi-purpose wrench	0.09	1



480300

483580



483200



483150

DISPOSABLE CYLINDERS AND CARTRIDGES

TURBO SET 200 and 110 are fuelled by a 110 bar oxygen cylinder and a PRO//Max cylinder with a high calorific value gas mixture that allows installers to perform much of the work in the thermo-hydraulic and air conditioning sector.

TURBO SET 90 and 30 are fuelled with disposable cylinders and cartridges supplied in kits and which are easily available. The 110 bar oxygen cartridge and Maxy Gas and Propan/Butan cartridges ensure good autonomy.

CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
480300	OXYGEN CYLINDER 110 Bar 1 L	M12X1	1.30	12	32 x 24 x 34	15.80
480301	OXYGEN CYLINDER 110 Bar 1 L	M11X1 LH	1.30	12	32 x 24 x 34	15.80
483580	PRO//MAX CYLINDER 400 g	CGA600	0.90	12	46 x 15.5 x 28	11.00
483200	MAXY GAS CARTRIDGE 350 g	7/16 VALVE	0.30	12	31 x 24 x 29	3.60
483150	PROPAN/BUTAN CARTRIDGE 330 g	7/16 VALVE	0.50	24	42 x 29 x 28	12.20

SPARE HOSES

Spare hoses for our welding kits can be cut to the desired size. They are constructed with 16-wire mesh and marked according to standard EN1327 with operating pressure, inner hose diameter and the quarter and year of manufacture.

CODE	Description	No.Pcs.
451005	Orange gas hose ø 3.2 X 8.8 EN 1327	1
450005	Blu oxygen hose ø 3.2 X 8.8 EN 1327	1

USE SUGGESTIONS

TURBO SET 200

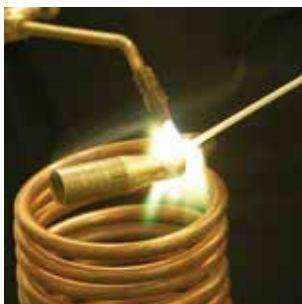


TURBO SET 110



TURBO SET 90

FILLER METALS



Filler metal is defined as a metal that can be used in addition to the base metal for welding. The right choice of filler metal allows for good welding. Knowing how to weld means choosing a good technique and a suitable metal for the work to be done. For help, see the table below.



CODE	USE		Specifications	Resistance	Tool heat	No.pcs for pack
101500	IRON WELDING	●	BRASS ALLOY WITH DE-OXIDANT	HIGH	720°C	10
101510	BRAZE-WELDING	●	COPPER ALLOY 93% - PHOSPHOROUS 7%	HIGH	660°C	10
101550	UNIVERSAL	●	SILVER ALLOY 45% WITH DE-OXIDANT	HIGH	640°C	5
101595	BRAZING	●	ALUMINIUM ALLOY 86% WITH DE-OXIDANT	LOW	540°C	7
101590	HYDRAULIC REPAIRS	●	TIN ALLOY 50% WITH DE-OXIDANT	LOW	240°C	2

Larger packs with 300 mm long rods are available for the most demanding professionals:

CODE	USE		Specifications	Resistance	Tool heat	Pack weight (kg)
101500.500	IRON WELDING	●	BRASS ALLOY WITH DE-OXIDANT	HIGH	720°C	500
101510.500	BRAZE-WELDING	●	COPPER ALLOY 93% - PHOSPHOROUS 7%	HIGH	660°C	500
101550.100	UNIVERSAL	●	SILVER ALLOY 45% WITH DE-OXIDANT	HIGH	640°C	100
101595.500	BRAZING	●	ALUMINIUM ALLOY 86% WITH DE-OXIDANT	LOW	540°C	500
101590.500	HYDRAULIC REPAIRS	●	TIN ALLOY 50% WITH DE-OXIDANT	LOW	240°C	500

Metas to join	LEAD	ZINC	IRON	COPPER	BRASS	ALUMINIUM
LEAD	● CODE 101590	● CODE 101590	● CODE 101590	● CODE 101590	● CODE 101590	
ZINC	● CODE 101590	● CODE 101590	● CODE 101590	● CODE 101590	● CODE 101590	
IRON	● CODE 101590	● CODE 101590	* ● CODE 101590 ● CODE 101550 ● CODE 101500	* ● CODE 101590 ● CODE 101550	* ● CODE 101590 ● CODE 101550	
COPPER	● CODE 101590	● CODE 101590	* ● CODE 101590 ● CODE 101550	* ● CODE 101590 ● CODE 101550 ● CODE 101510 ● CODE 101500	* ● CODE 101590 ● CODE 101550	
BRASS	● CODE 101590	● CODE 101590	● CODE 101590 ● CODE 101550	* ● CODE 101590 ● CODE 101550 ● CODE 101510 ● CODE 101500	* ● CODE 101590 ● CODE 101550 ● CODE 101500	
ALUMINIUM						● CODE 101595

* Mechanical resistance varies depending on the filler metal used



SMALL WELDERS WITH BIG PERFORMANCE

Sensitive to the needs of installers in the hydraulics, conditioning and DIY fields, Oxyturbo offers several high-performing, flexible and versatile items to enable useful and practical work solutions. A complete line of easy-to-use manual, safe and strictly tested torches allows you to perform:

- **Soft and hard brazing**
- **Tinning**
- **Paint stripping**
- **Scraping**
- **Thawing**
- **Plastic material welding**



Fuelled by 190g universal cartridges or with 7/16 valve cartridges, they come equipped with a range of accessories allowing the user to perform small repairs.

OXYLASER

Easy, fast welding.

Oxyturbo offers a range of practical professional manual or piezo ignition wrenches, with anatomic handgrips. Ideal for DIY, single-handed use and for soft and hard welding up to **1,750°C**. Equipped with a high yield 21 mm diameter OT burner. Suitable for small repairs, DIY projects, plastic bending and welding, paint stripping and wood drying.



Fuelled by BUTAN/PROPAN 98/2 190g cartridges with a safety device.

DVGW APPROVED



OXYLASER

OXYLASER PIEZO



OXYLASER IRON PIEZO

OXYLASER IRON

VERSIONS AVAILABLE:

OXYLASER - OXYLASER PIEZO with plastic cartridge holder

OXYLASER IRON - OXYLASER IRON PIEZO with iron cartridge holder

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
505000	Oxylaser	0.60	10	54 x 40 x 21	6.65
505080	Oxylaser + 4 Cartridges	1.90	6	60.5 x 40.5 x 20.5	11.60
505070	Oxylaser + 5 Cartridges	2.10	6	60.5 x 40.5 x 20.5	12.80
505020	Oxylaser + Flat Burner And Tinning Nozzle	0.78	10	54 x 40 x 21	8.35
505030	Oxylaser + 3 Accessories	0.82	10	54 x 40 x 21	8.75
505100	Oxylaser Piezo	0.66	10	54 x 40 x 21	7.15
525000	Oxylaser Iron	0.68	10	54 x 40 x 21	7.30
525100	Oxylaser Iron Piezo	0.72	10	54 x 40 x 21	7.60

ACCESSORIES NOT INCLUDED



A range of accessories (not included unless specifically indicated and **not to be used on the piezo version**) which can enhance the welders range.

CODE	Description	Weight (kg)	No.Pcs.
570905	Cercoflamme M12x0.75	0.11	1
570702	Tinning nozzle ø 22 mm	0.05	1
570800	Flat flame burner ø 22 mm	0.04	1

OXYFLEX

A small kit with high heating power.

Oxyflex is a movable manual welding kit with high a yield suitable for small, soft and hard welding, heating, thawing, drying, stripping, thermoplastic treatment, tinning, and smelting. Particularly suitable for demanding DIY projects thanks to its exceptional sturdiness. Its components (extension tube and burner) are the same as those of the OXYWELDER range.



Fuelled by BUTAN/PROPAN 98/2 190g cartridges with a safety device.

IMQ APPROVED



OXYFLEX

PROVIDED WITH:

- Handgrip with tap
- OT 100 mm extension
- OT Ø 22 mm high heating power burner
- Belt hook
- 2 m flexible hose
- Tap on cartridge holder

AVAILABLE IN FOLLOWING VERSIONS:

OXYFLEX with plastic cartridge holder

OXYFLEX IRON with iron cartridge holder



OXYFLEX IRON

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
504000	OXYFLEX	0.84	10	54 x 40 x 21	8.95
524000	OXYFLEX IRON	0.85	10	54 x 40 x 21	9.15

ACCESSORIES NOT INCLUDED



Oxyflex can be combined with a range of accessories which are sold separately.

CODE	Description	Weight (kg)	No.Pcs.
583805	Cercoflamme M10x1	0.12	1
570702	Tinning nozzle ø 22 mm	0.05	1
570800	Flat flame burner ø 22 mm	0.04	1

MAXYLASER MINILASER

Welding kit suitable for maintenance and emergency works.

Oxyturbo offers a set of kits that are very useful for DIY, nautical and agriculture: brazing, tinning, descaling, stripping and thousands of other uses. A series of interchangeable brass burners completes the range.



CE APPROVED

AVAILABLE IN FOLLOWING VERSIONS:

MAXYLASER KIT

Provided with:

- Fixed tap with 22 mm diameter OT burner
- Flat flame burner
- PROPAN/BUTAN 330 g cartridge
- support spring

MINILASER Ø 22 KIT

Provided with:

- Fixed tap with 22 mm diameter OT burner
- 14 mm diameter OT burner
- 22 diameter flat flame burner
- PROPAN/BUTAN 210 g cartridge
- Support spring
- Multi-purpose spanner

MINILASER Ø 18 KIT

Provided with:

- Fixed tap with 18 mm diameter OT burner
- 14 mm diameter OT burner
- PROPAN/BUTAN 210 g cartridge
- Support spring
- Multi-purpose spanner



CODE	Description	Weight (kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
573000	MAXYLASER	0.80	10	55.5 x 23.5 x 28	8.20
572500	MINILASER Ø 18	0.70	10	41 x 22 x 21	7.20
572000	MINILASER Ø 22	0.76	10	41 x 22 x 21	7.80
572590	FIXED TAP + OT 22	0.20	50	41 x 36 x 24	10.20
572591	FIXED TAP + OT 18	0.17	50	41 x 36 x 24	8.70
572592	FIXED TAP + OT 14	0.15	50	41 x 36 x 24	7.50



572592

572591

572590

MANUAL TORCHES

High performance and versatile. Offering practical work solutions.

MULTI-PURPOSE TORCH CGA600



Its spiral flame is designed to wrap the circumference of the hose and reach a temperature of 2010°C. The nozzle is made of brass, the body is aluminium and the other components are manufactured in stainless steel to prevent rust. It is equipped with a safety button that locks the torch while keeping the flame on and the fingers free. It allows inclination and overturning from the ignition phase without wasting fuel and at no risk to the user. Fuelled by PRO//Max 400 g or Maxy Gas 350 g by means of a transformation fitting.

CODE	Description	Weight (kg)	No.Pcs.
574101	MULTI-PURPOSE TORCH CGA600	0.70	1
490280	ADAPTER CGA600 - 7/16	0.08	1

EASYLASER KIT



A new accessory offered as an indispensable tool for installers and plumbers who need to do small soft and hard brazing jobs. Its flame wraps completely the part that is to be welded, assuring an optimal performance even in an inclined or upside-down position. The EasyLaser Kit is a small lightweight, ergonomic torch with a piezo ignition and anti-flaring device which starts working after 15 seconds from the ignition.

Fuelled by Maxy Gas 350 g cartridge with 7/16 valve

The kit is provided with:
 - 7/16 Microtorch
 - Maxy Gas cartridge

Also available with an adaptor for use with PRO//Max CGA600 cylinders.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
574150	EASYLASER KIT	0.80	10	55.5 x 23.5 x 28	8.20
498257	ADAPTER 7/16 - CGA600	0.08	25	14 x 11 x 11.5	2.10

MICROTORCH



Small, especially lightweight, ergonomic torch with piezo ignition, equipped with a special burner that avoids the "liquid phase" of the upside-down cylinder gas after 15 seconds from ignition. Can be connected directly to **PRO//Max and Maxy Gas** cylinders which can be interchanged with one another due to the use of special fittings. The Microtorch reaches a temperature of approximately **1850°C** for soft and hard brazing works.

CODE	Description	Weight (kg)	No.Pcs.
574102	MICROTORCH CGA600	0.30	1
574103	MICROTORCH 7/16	0.30	1
498257	ADAPTER 7/16 - CGA600	0.08	1
490280	ADAPTER CGA600 - 7/16	0.08	1

HEATING TORCH KIT

A practical work case containing all your needs for brazing and heating.

OXYPRO



It uses a high heating power torch which avoids the liquid phase from ignition and reaches a temperature of **2010°C** with PRO//Max and **1960°C** with Maxy Gas.

OXYPRO

Equipped with:

- 1 multi-purpose torch with CGA600 connection
- 2 PRO//Max cylinders

CODE	Description	Weight (kg)	No.Pcs.
585320	OXYPRO	2.00	1

OXYPLUS



OXYPLUS

Equipped with:

- 1 multi-purpose torch with CGA600 connection
- 1 CGA600 - 7/16 adapter
- 2 Maxy Gas cartridges

CODE	Description	Weight (kg)	No.Pcs.
585300	OXYPLUS	2.00	1

Components separately available: torches, PRO//Max cylinder, Maxy Gas cartridge.

DISPOSABLE CYLINDERS AND CARTRIDGES

A range of gas cartridges and cylinders to choose from depending on the different connections and uses. Transformation fittings allow the PRO//Max cylinder and the MAXY GAS cartridge to be interchangeable.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
483002	BUTAN/PROPAN 98/2 CARTRIDGE 190g	0.27	36	28 x 37 x 25.5	10.20
483200	MAXY GAS CARTRIDGE 350 g 7/16 VALVE	0.50	12	31 x 24 x 29	3.60
483580	PRO//MAX CYLINDER 400 g CGA600	0.90	12	46 x 15.5 x 28	11.00
483100	PROPAN/BUTAN CARTRIDGE 210 g 7/16 VALVE	0.31	24	28.5 x 22 x 35.5	7.60
483150	PROPAN/BUTAN CARTRIDGE 330 g 7/16 VALVE	0.46	24	42 x 29 x 28	12.20



USE SUGGESTIONS




CYLINDERS AND CARTRIDGES SUMMARY

	CODE	DESCRIPTION	WEIGHT (Kg)	NO.PCS.	PACK. DIM (cm)	PACK. WEIGHT (Kg)
DISPOSABLE CYLINDERS		BEVERAGE				
	485400	FOOD-GRADE CO ₂ CYLINDER E290 600 g M11X1 with foot stand	1.72	12	32 x 24 x 34	20.70
	485500	FOOD-GRADE CO ₂ CYLINDER E290 850 g M11X1 with foot stand	2.45	6	16 x 25 x 45	14.80
	484360	FOOD-GRADE N ₂ CYLINDER E941 110bar M11X1 with foot stand 950 cc	1.30	12	32 x 24 x 34	15.70
	485601	FOOD-GRADE CO ₂ CYLINDER E290 M11X1 2.2 L with foot stand	4.00	4	24 x 24 x 40	16.20
	484460	FOOD-GRADE N ₂ CYLINDER E941 110BAR M11X1 2.2 L	3.00	4	24 x 24 x 40	12.10
		AQUARIUM				
	485300	CO ₂ CYLINDER 390 g M10X1RH 950 cc	1.6	12	31 x 23 x 34	19.20
	485600	CO ₂ CYLINDER 2.2 L 1200 g M10X1RH with foot stand	4.00	4	24 x 24 x 40	16.20
		FOR HELIUM				
	487300	HELIUM CYLINDER 110BAR M10X1 950 ml + dispenser	1.30	12	31 x 23 x 34	15.80
	487400	HELIUM CYLINDER 2.2 L M10X1 with foot stand + accessoires	3.10	4	24 x 24 x 40	12.60
		OXYKLYMA				
	484300	N ₂ CYLINDER 110BAR M10X1RHI 950 cc	1.30	12	32 x 24 x 34	15.80
	484400	N ₂ CYLINDER 110BAR M10X1RH 2.2 L with foot stand	4.00	4	24 x 24 x 40	16.20
	488300	AZOIDRO CYLINDER 1 L 110BAR M10X1RH	1.30	12	32 x 24 x 34	15.80
	488400	AZOIDRO CYLINDER 2.2 L 110BAR M10X1RH with foot stand	4.00	4	24 x 24 x 40	16.20
		WELDING				
	485300	CO ₂ CYLINDER 390 g M10X1RH 950 CC	1.60	12	32 x 26 x 34	19.40
	485600	CO ₂ CYLINDER 2.2 L 1200 g M10X1RH with foot stand	4.00	4	24 x 24 x 40	16.60
	486301	ARGON CYLINDER 110bar M10X1RH 950 cc	1.35	12	32 x 26 x 34	16.40
	486400	ARGON CYLINDER 110bar M10X1RH 2.2 L with foot stand	3.20	4	24 x 24 x 40	13.00
	486351	MIX CYLINDER 110bar M10X1RH 950 cc	1.35	12	32 x 26 x 34	16.40
	486451	MIX CYLINDER 110bar M10X1RH 2.2 L with foot stand	3.20	4	24 x 24 x 40	13.30
	480300	O ₂ CYLINDER 110bar M12X1RH 950 ml	1.30	12	34 x 24 x 34	15.80
	480301	O ₂ CYLINDER 110bar M11X1LH 950 ml	1.30	12	34 x 24 x 34	15.80
	480302	O ₂ CYLINDER 110bar M10X1RH 950 ml	1.30	12	34 x 24 x 34	15.80
	480400	O ₂ CYLINDER 110bar M12X1RH 2.2 L with foot stand	3.10	4	24 x 24 x 40	13.00
	483580	PRO//MAX CYLINDER CGA600 400 g	0.90	12	46 x 15.5 x 28	11.00

DISPOSABLE CARTRIDGES

GAS CARTRIDGES

	483200	MAXY GAS CARTRIDGE 350g 7/16" valve	0.50	12	31 x 24 x 29	3.60
	483150	PROPAN/BUTAN CARTRIDGE 330 g 7/16" valve	0.46	24	42 x 29 x 28	12.20
	483100	PROPAN/BUTAN CARTRIDGE 210 g 7/16" valve	0.31	24	28.5 x 22 x 35.5	7.60
	483002	BUTAN/PROPAN 98/2 190 g	0.27	36	28 x 37 x 25.5	10.20



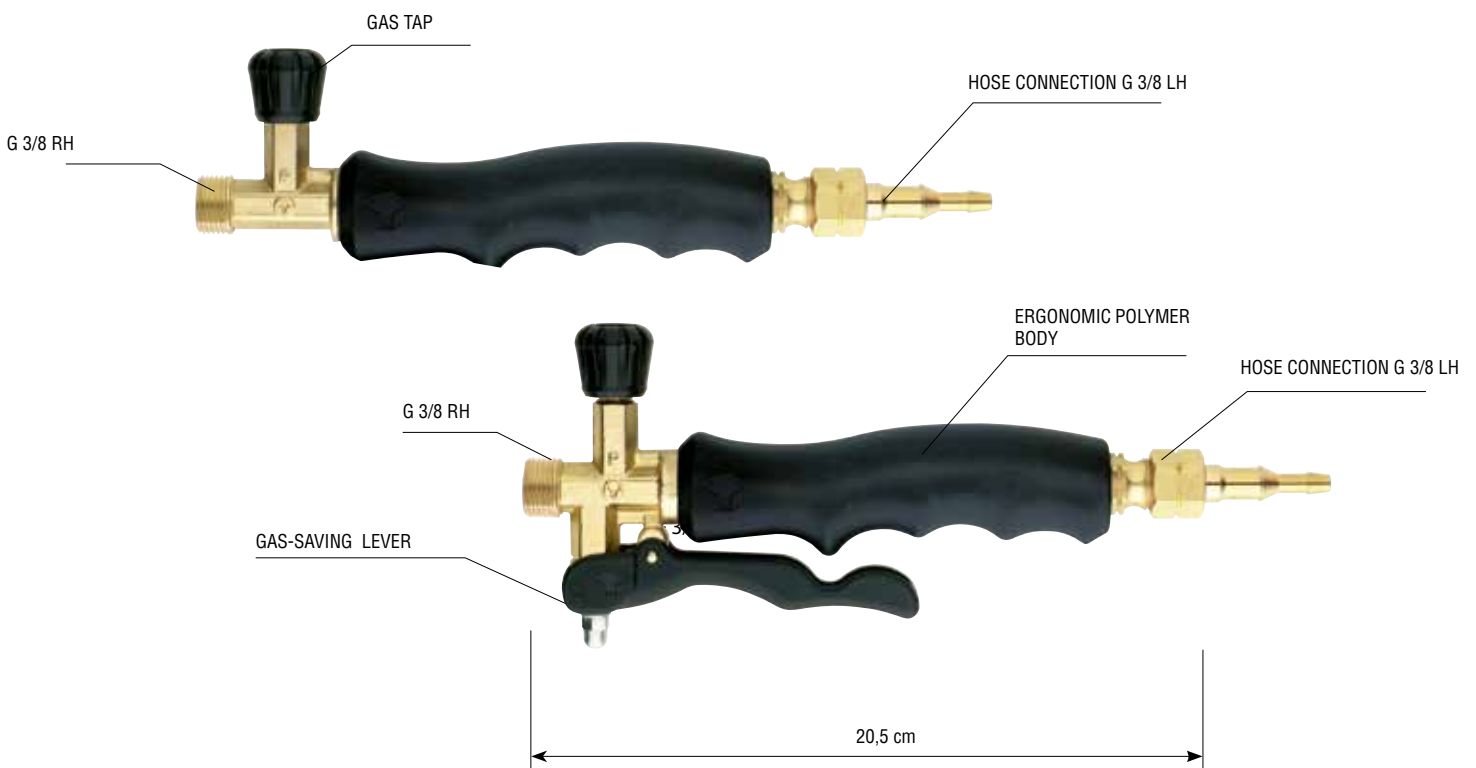
MONOGAS WELDING

Oxyturbo offers a complete range of gas torches to meet increasingly sophisticated customer needs. Composable, versatile, useful for soft and hard welding and for professional works such as waterproofing, asphaltting and thermoplastic forging.

Through its specialised experience in the monogas welding field, Oxyturbo has also created the Oxywelder kit which allow users to find the ideal coordinated solution for their own work needs.

OXYWELDING

2 ergonomic handgrips, 5 extension pipes, 4 series of burners, a range of accessories, regulators and pipe fittings allow you to create the most complete range of appliances.



HANDGRIPS

IMQ APPROVED

Ergonomic, sturdy, easy-to-handle, available in two models: normal and with gas-saving lever handgrip for professional use. Utilises different extension pipes and burners for various uses.

Connection with G 3/8 right extension pipe. Connection to G 3/8 left hose.



CODE	Description	Extension pipe connection	Hose connection	Weight (kg)	No.Pcs.
584600	HANDGRIP	G 3/8	G 3/8 LH	0.32	1
584650	HANDGRIP WITH GAS-SAVING LEVER	G 3/8	G 3/8 LH	0.38	1

A series of extension pipes, each of which can be screwed to burners of various sizes. All have G 3/8 right connections and vary from 100 to 600 mm. Completing the range is the bi-burner extension, consisting of a 600mm extension and a terminal for 2 burners.



CODE	Description	Connection	Length (mm)	Weight (kg)	No.Pcs.
584710	EXTENSION PIPE L= 100 mm	M10X1 - G 3/8	100	0.07	1
584720	EXTENSION PIPE L= 200 mm	M10X1 - G 3/8	200	0.08	1
584740	EXTENSION PIPE L= 400 mm	M10X1 - G 3/8	400	0.13	1
584760	EXTENSION PIPE L= 600 mm	M10X1 - G 3/8	600	0.17	1
584755	EXTENSION PIPE L= 600 mm	G 3/8 - G 3/8	600	0.20	1
584750	BI-BURNER EXTENSION PIPE	M10X1 - G 3/8	600	0.32	1



OT BURNERS in brass with pin point flame, ideal for soft brazing.



CODE	Description	Connection	Diameter (mm)	Weight (kg)	No.Pcs.
583800	OT BURNER	M10X1	14	0.04	1
583801	OT BURNER	M10X1	18	0.06	1
583802	OT BURNER	M10X1	22	0.07	1



TURBO BURNERS, equipped with air adjusting lances and TURBO burners with enveloping flame. Recommended for hard brazing, watertight welding, thermo-plastic forging and works on copper.

CODE	Description	Connection	Diameter (mm)	Weight (kg)	No.Pcs.
584820	TURBO BURNER	G 3/8	21	0.20	1
584821	TURBO BURNER	G 3/8	25	0.24	1
584822	TURBO BURNER	G 3/8	28	0.32	1



FE BURNERS, in iron with high heating power, rear air mixing. Ideal for waterproofing, hardening and thawing works

CODE	Description	Connection	Diameter (mm)	Weight (kg)	No.Pcs.
584850	FE BURNER	M10X1	30	0.08	1
584851	FE BURNER	M10X1	45	0.17	1
584852	FE BURNER	M10X1	60	0.26	1



ASP BURNERS, with high heating power side suction. Ideal for asphaltting, waterproofing, and thawing works.

CODE	Description	Connection	Diameter (mm)	Weight (kg)	No.Pcs.
584862	ASP BURNER	M10X1	60	0.32	1

ACCESSORIES

The range is complemented by a series of useful accessories to facilitate soft welding works, to aid the transport of cylinders and to relieve vertical waterproofing work.



ACCESSORIES FOR OT 22 BURNERS

CODE	Description	Weight (kg)	No.Pcs.
570702	TINNING NOZZLE	0.05	1
570800	FLAT FLAME BURNER	0.04	1
583805	CERCOFLAMME M10X1	0.12	1



LANCE WITH COPPER MALLET

Ideal for welding metals like core plates. Available with spare 165 g copper mallet.

CODE	Description	Weight (kg)	No.Pcs.
584890	LANCE WITH COPPER MALLET	0.33	1
570750	COPPER MALLET 165 g	0.22	1

FITTED HOSES

Oxyturbo provides a series of approved fitted hoses of varying lengths and diameters to meet any end-user needs.



CODE	Description	Weight (kg)	No.Pcs.
444500	FITTED HOSE 1.5m 4X11DVGW-DK10- KEY 25 – G 3/8 LH	0.29	1
444502	FITTED HOSE 1.5m 4X11DVGW-DK10- KEY 27 – G 3/8 LH	0.35	1
441501	FITTED HOSE 2m 3,2X8,8 – G 3/8 LH	0.21	1
441601	FITTED HOSE 5m 4X11 DVGW-DK6 –G 3/8 LH	0.76	1
441602	FITTED HOSE 1.5m 4X11 DVGW-DK6 – G 3/8 LH	0.23	1



CYLINDER HOLDER TROLLEYS - HOOK

An eye-catching, highly-designed trolley made for transporting LPG cylinders, equipped with chain and burner support and furnished with full rubber 125 mm diameter wheels. Suitable for rough terrain and can withstand weights up to 60 kg.

CODE	Description	Weight (kg)	No.Pcs.
580000	CYLINDER HOLDER TROLLEY	2.65	1
584700	SUPPORT HOOK Ø 12 mm	0.80	1

REGULATORS



CODE	Description	Weight (kg)	No.Pcs.
422000	REGULATOR IT - KEY 25	0.20	1
422001	REGULATOR DE - KEY 30	0.30	1
422002	REGULATOR FR - KEY 27	0.26	1
422003	REGULATOR GB - G5/8	0.30	1
422008	REGULATOR SVE - JUMBO	0.50	1
422009	REGULATOR DK - JUMBO	0.50	1

OXYWELDER KIT



The ideal coordinated solution for your work needs. The kits work with LPG cylinders and are supplied with a nut and hose connection.

WELDER KIT

IMQ APPROVED

WELDER

Composed of: Handgrip - 100mm extension pipe - OT burner

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
601050	KIT with burners Ø 14 + 18 + 22mm	0.70	10	34.5 x 14.5 x 23	7.20
601200	KIT with burner Ø 18mm	0.50	10	34.5 x 14.5 x 23	5.20
601300	KIT with burner Ø 22mm	0.45	10	34.5 x 14.5 x 23	4.70



WELDER COMPLET

Composed of: Handgrip - 100mm extension pipe - 22mm diameter OT burner - 1.5 mm fitted hose

CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
611300	WELDER COMPLET with 1.5 m 4 x 11 fitted hose	3/8 LH - KEY 25	0.75	10	41 x 36 x 24	8.00
611320	WELDER COMPLET with 1.5 m 4 x 11 fitted hose	3/8 LH - KEY 27	0.80	10	41 x 36 x 24	8.50
611380	WELDER COMPLET with 1.5 m 4 x 11 fitted hose + tap M16x1.5	3/8 LH - KEY 27	0.85	15	41 x 36 x 24	13.00
611310	WELDER COMPLET with 2.0 m 3.2 x 8.8 fitted hose	3/8 LH - 3/8 LH	0.70	10	41 x 36 x 24	7.50



WELDER 100

Composed of: Handgrip - 100mm extension pipe - FE burner

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
603100	KIT with burner Ø 45mm	0.60	20	46 x 29.5 x 26	12.20
603200	KIT with burner Ø 60mm	0.70	20	46 x 29.5 x 26	14.20



WELDER 200

Composed of: Handgrip with gas saving lever - 200mm extension pipe - 45mm diameter FE burner

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
655600	KIT with burner Ø 45mm	0.70	20	46 x 29.5 x 26	14.20





WELDER 400

Composed of:

Handgrip - 400mm extension pipe - 60mm diameter burner



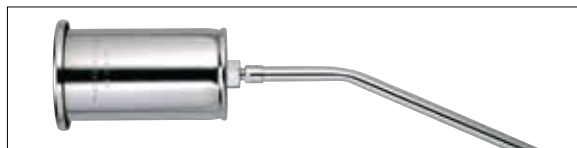
CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
606200	Handgrip + FE burner	0.85	10	73.5 x 30.5 x 22.7	8.70
656700	Handgrip with gas-saving lever + ASP burner	0.90	10	73.5 x 30.5 x 22.7	9.20



WELDER 600

Composed of:

Handgrip -600mm extension pipe - 60mm diameter burner



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
609200	Handgrip + FE burner	0.95	6	73.5 x 30.5 x 23	5.90
659700	Handgrip with gas-saving lever + ASP burner	1.00	6	73.5 x 30.5 x 23	6.20



COPPER AND COPPER COMPLETE

Composed of:

Handgrip - lance with copper mallet - support hook



CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
600000	Copper	3/8 LH	0.70	10	34.5 x 14.5 x 23	7.10
610000	Copper complet with 1.5 m 4x11 fitted hose	3/8 LH - KEY 25	0.97	10	41 x 36 x 24	9.90
610020	Copper complet with 1.5 m 4x11 fitted hose	3/8 LH - KEY 27	1.15	10	41 x 36 x 24	11.70
610010	Copper complet with 2.0 m 3.2X8.8 Fitted hose	3/8 LH - 3/8 LH	1.15	10	41 x 36 x 24	11.70

GARDEN OXYTURBO

A line of products with a 'Green Soul'

Sensitive to new market demands, Oxyturbo is proud to present a range of outdoor maintenance products for homes, gardens, paths and walkways. They avoid the use of polluting chemicals that are harmful to our health, as per European Directive 2009/128/EC implemented by Legislative Decree 14/08/2012 n°150 on the environment. This sets rules for the use and reduction of pesticides, reducing the risks and impacts on human health and promoting the use of non-chemical alternatives.





GARDEN RANGE

A generation of devices with built-in piezo ignition. Practical, powerful, safe, ecological, with no risk to people or animals. The speed of their commissioning and piezo ignition makes them immediately usable as needed.

IN THE REFILLABLE CYLINDER VERSION (Biomegaflamme, Bioproflamme, Biosuperproflamme, Superbioflamme, Laserbrenner).

FOR DISPOSABLE CARTRIDGES (Bioflamme)

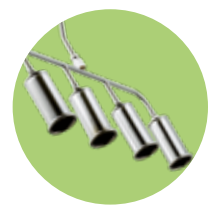
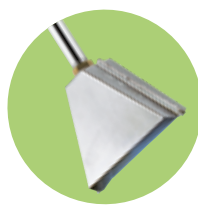
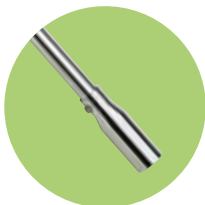
These can be used all-year long.

SPRING: weed-burning for courtyards, tree-lined paths, paved terraces, sidewalk walls and edges.

SUMMER: barbecue ignition, destruction of insect nests in the soil: Bioflamme allows you to remove wasp nests in the soil or in old walls.

AUTUMN: ignition of fires with branches from pruning and plant residues.

WINTER: pipe thawing (except PVC pipes), defrosting of outside stairs, terraces, etc. to avoid slips and falls.



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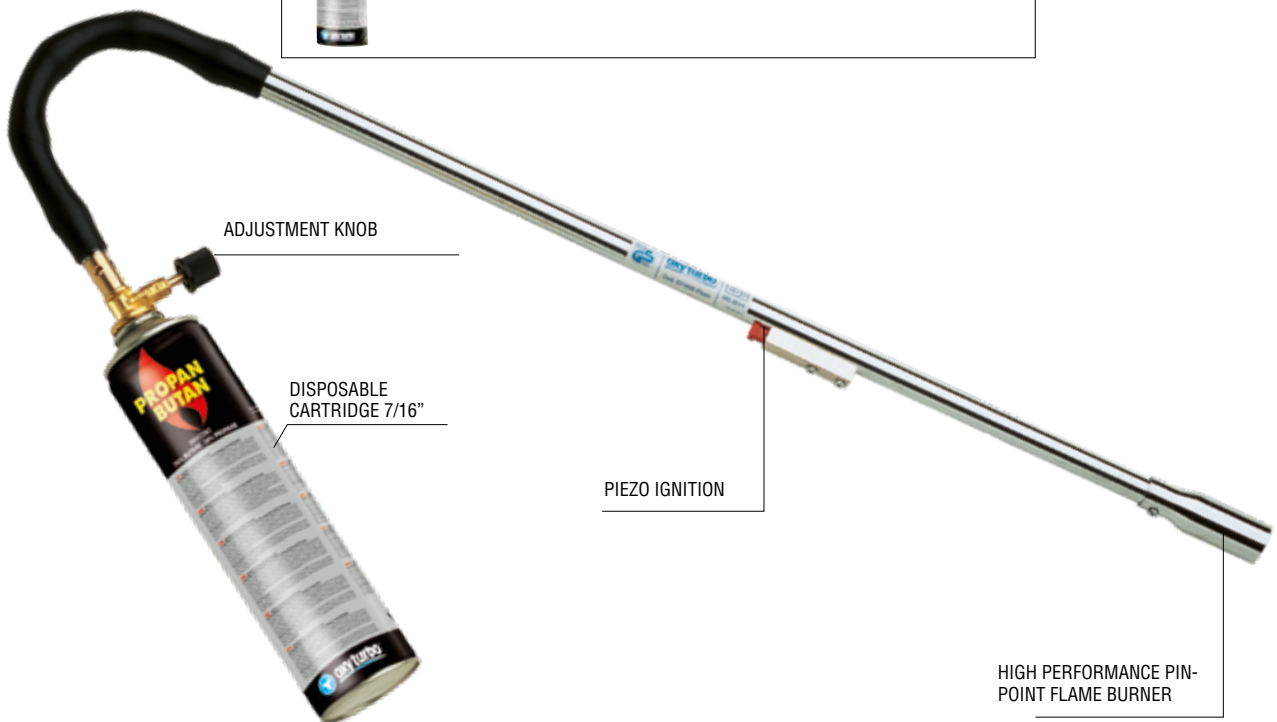
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BIOFLAMME

**A new generation of burners with built-in piezo ignition.
Practical, powerful, safe, ecological, with no risk to people
or animals.**



**Fuelled by PROPAN/BUTAN 330g
WITH 7/16" VALVE**



FEATURES

- ▶ Fuelled by PROPAN/BUTAN 330 g cartridges with 7/16" valve code 483150
- ▶ Practical piezo ignition
- ▶ Gas flow adjustment in the handgrip

USE

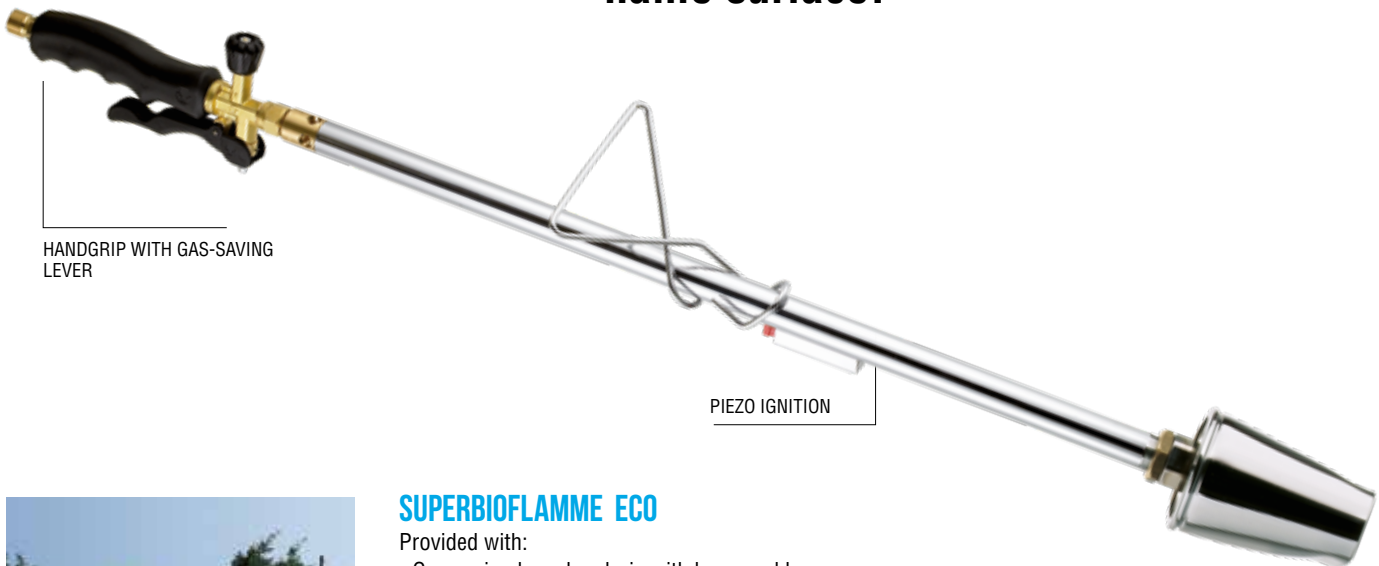
Eliminates weeds from terraced paths and walkways, incinerates insect nests, thaws piping, quickly ignites fireplaces and barbecues.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
571860	With pin-point burner with 1 gas cartridge in colour box	1.48	5	80.5 x 38 x 22	7.60



SUPERBIOFLAMME

High heating power torch to be used with refillable LPG cylinders.
Complete with 600 mm lance and 60 mm flat burner with large flame surface.



HANDGRIP WITH GAS-SAVING LEVER

PIEZO IGNITION



SUPERBIOFLAMME ECO

Provided with:

- Gas-saving lever handgrip with lance and burner
- Support hook

Also available in various versions:

SUPERBIOFLAMME 5000 ECO

Provided with:

- Gas-saving lever handgrip with lance and burner
- Support hook
- 5 m 4x11 DK6 fitted hose



SUPERBIOFLAMME 5000 TK ECO

Provided with:

- Gas-saving lever handgrip with lance and burner
- Support hook
- 5 m 4x11 DK6 fitted hose
- Cylinder holder trolley
- 2.5 bar/6-8 kg* regulator

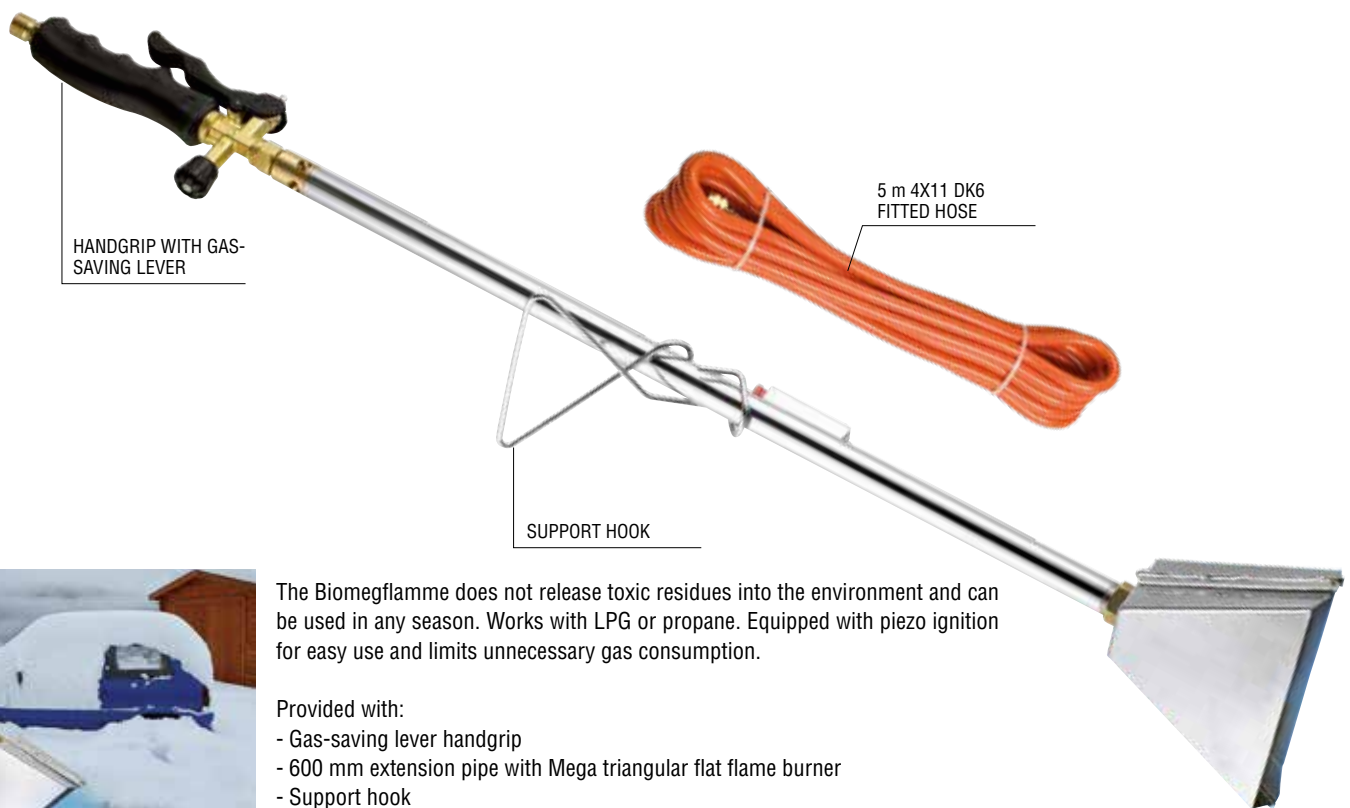


*Can be supplied with regulators with all country fittings

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
581950	SUPERBIOFLAMME ECO	1.30	6	73.5 X 30.5 X 23	8.00
581970	SUPERBIOFLAMME 5000 ECO	1.85	6	73.5 X 30.5 X 23	11.30
581980	SUPERBIOFLAMME 5000 TK ECO KEY 25	4.65	1	79 x 30.5 x 16.5	4.65
581981	SUPERBIOFLAMME 5000 TK ECO KEY 30	4.75	1	79 x 30.5 x 16.5	4.75
581982	SUPERBIOFLAMME 5000 TK ECO KEY 27	4.70	1	79 x 30.5 x 16.5	4.70
581983	SUPERBIOFLAMME 5000 TK ECO G5/8	4.75	1	79 x 30.5 x 16.5	4.75
581984	SUPERBIOFLAMME 5000 TK ECO JUMBO DK	5.30	1	79 x 30.5 x 16.5	5.30
581985	SUPERBIOFLAMME 5000 TK ECO JUMBO SE	5.30	1	79 x 30.5 x 16.5	5.30

BIOMEGAFLAMME

An environmentally friendly product and an ideal tool for weeding walkways, floors with self-locking devices, lawn edges and generalised interventions.



The Biomegaflamme does not release toxic residues into the environment and can be used in any season. Works with LPG or propane. Equipped with piezo ignition for easy use and limits unnecessary gas consumption.

Provided with:

- Gas-saving lever handgrip
- 600 mm extension pipe with Mega triangular flat flame burner
- Support hook
- 5 m 4x11 DK6 fitted hose

Biomegaflamme can on request be supplied with cylinder holder trolley and equipped with 2.5 bar 6/8 kg pressure regulator with all country fittings.

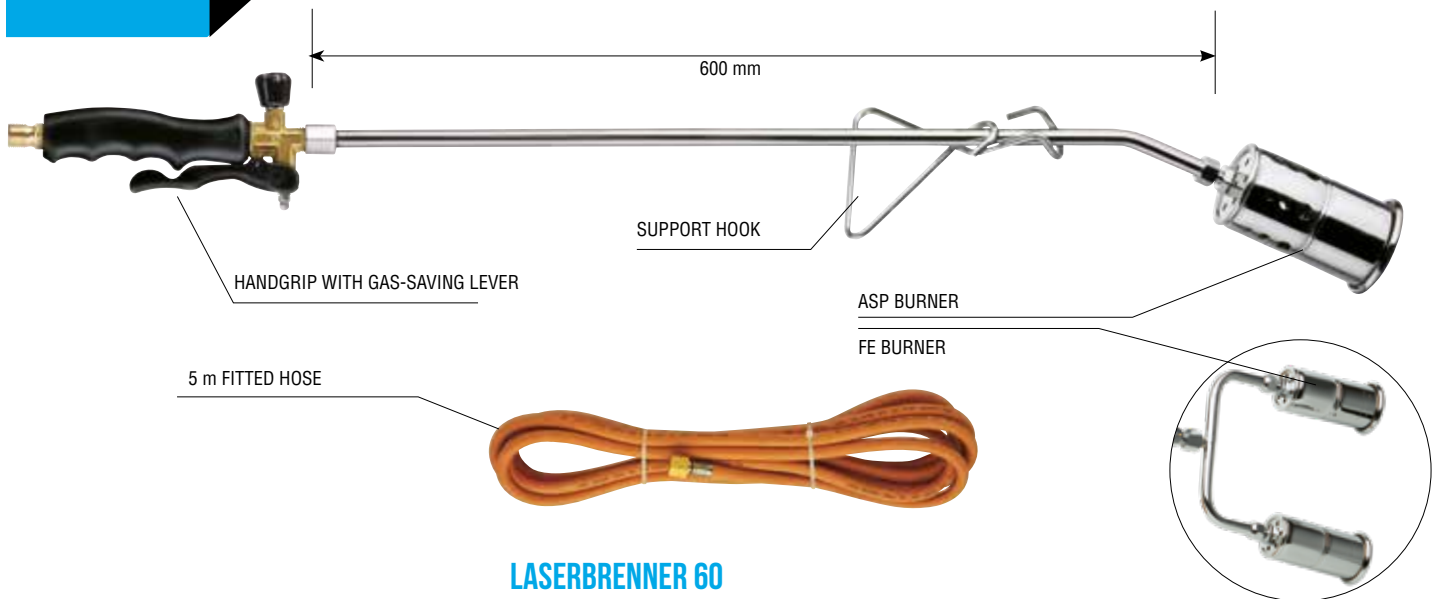


CODE	Description	Weight (kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
582950	BIOMEGAFLAMME with piezo ignition and gas-saving lever in colour box	2.40	5	80.5 x 38 x 22	12.20

LASERBRENNER

HIGH CALORIFIC
POWER

Professional kits for waterproofing, asphaltting, pipe thawing, pest control and weed burning.



LASERBRENNER 60

Provided with:

Gas-saving lever handgrip - 600 mm extension pipe - ASP 60 mm diameter burner - Support hook - 5 m 4x11 DVGW-DK6 fitted hose

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
669710	LASERBRENNER 60	1.60	6	73.5 x 30.5 x 23	9.80

LASERBRENNER B45

Provided with:

Gas-saving lever handgrip - 600 mm extension pipe - Terminal for 2 burners - 2 FE 45 mm diameter burners - Support hook - 2 spanners - 5 m 4x11 DVGW-DK6 fitted hose



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
668610	LASERBRENNER B45	2.18	6	73.5 x 30.5 x 23	13.30

LASERBRENNER 60 TK

Provided with:

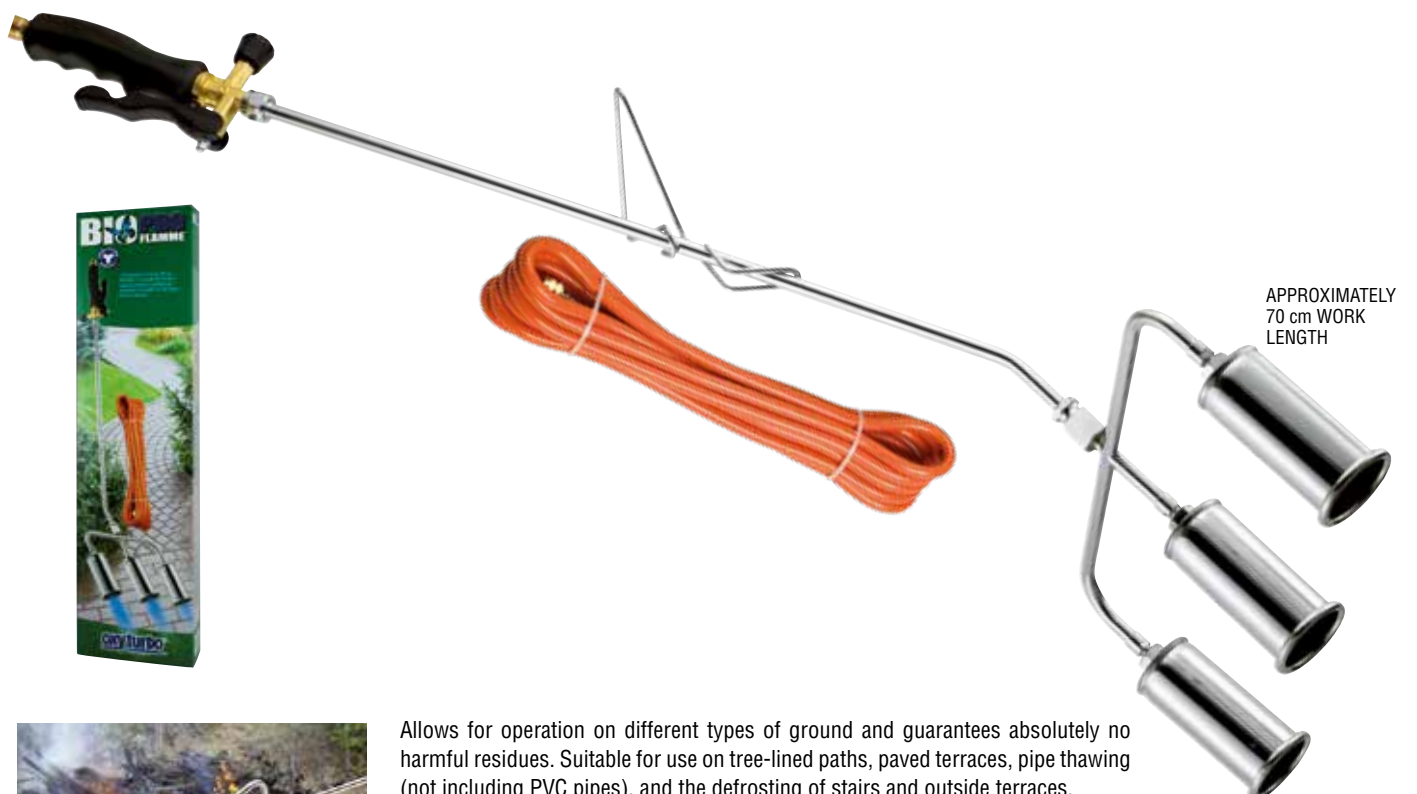
Laserbrenner 60 - Cylinder holder trolley - 2.5 bar 6/8 kg regulator



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
689700	LASERBRENNER 60 TK KEY 25	4.60	1	79 x 30.5 x 16.5	4.60
689701	LASERBRENNER 60 TK KEY 30	4.70	1	79 x 30.5 x 16.5	4.70
689702	LASERBRENNER 60 TK KEY 27	4.70	1	79 x 30.5 x 16.5	4.70
689703	LASERBRENNER 60 TK G5/8	4.70	1	79 x 30.5 x 16.5	4.70
689704	LASERBRENNER 60 TK JUMBO DK	4.90	1	79 x 30.5 x 16.5	4.90
689705	LASERBRENNER 60 TK JUMBO SE	4.40	1	79 x 30.5 x 16.5	4.90

BIOPROFLAMME

Environmentally friendly product equipped with 3 high heating power burners and a useful working width of approximately 70 cm.



APPROXIMATELY
70 cm WORK
LENGTH



Allows for operation on different types of ground and guarantees absolutely no harmful residues. Suitable for use on tree-lined paths, paved terraces, pipe thawing (not including PVC pipes), and the defrosting of stairs and outside terraces.

- Provided with:
- Gas-saving lever handgrip
 - 600 mm extension pipe
 - Terminal for 3 burners
 - 3 FE 45 diameter burners
 - Support hook
 - 5 m 4x11 DK6 fitted hose

Bioproflamme can on request be supplied with cylinder holder trolley and equipped with 2.5 bar 6/8 kg pressure regulator with all country fittings.



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
583950	BIOPROFLAMME with 3 burners and gas-saving lever in colour box	2.50	5	80.5 x 38 x 22	12.70

BIOSUPER PROFLAMME

A 4-burner high heating power torch with a useful working width of approximately 90 cm.



HANDGRIP WITH GAS-SAVING LEVER

5m 4X11 DK6
FITTED HOSE



Professional kit for intensive weed burning composed of 4 high heating power burners with a useful working width of approximately 90 cm. Ready to use. Runs with LPG or propane. Made to eradicate weeds ecologically in a few days without the use of expensive toxic chemicals. Suitable for weeding large surfaces and other uses requiring the use of a flame. For example; eliminating slippery ice on paths or walkways.

- Provided with:
- Gas-saving lever handgrip
 - 600 mm extension pipe
 - Terminal for 4 burners
 - 4 FE 45 diameter burners
 - Support hook
 - 5 m 4x11 DK6 fitted hose

Biosuperproflamme can on request be supplied with cylinder holder trolley and equipped with 2.5 bar 6/8 kg pressure regulator with all country fittings.



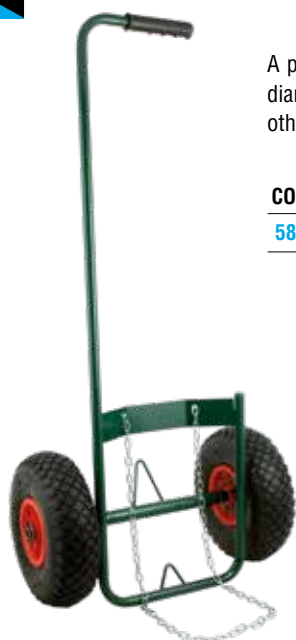
CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
583955	BIOSUPERPROFLAMME with 4 burners and gas-saving lever in colour box	2.70	5	80.5 x 38 x 22	13.70

CE APPROVED

CYLINDER HOLDER TROLLEYS

Two different models to meet different uses and needs.
They are made to ensure increased space economy and are
in painted metal tube design.

BIG TROLLEY



A practical cylinder holder trolley shaped in a mono-tube. Equipped with 2 sturdy pneumatic rubber wheels with a diameter of 290 mm which allows for use on any type of ground. Equipped with a hook and chain for the cylinder or other container. It can withstand a weight up to maximum 90 kg.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
580002	Cylinder holder trolley	4.70	1	100 x 19 x 32.5	4.70



TROLLEY



An eye-catching, designed trolley made for the transporting LPG cylinders; equipped with chain and burner support and comes with full rubber 125 mm diameter wheels. Suitable for rough terrain and can withstand weights up to 60 kg.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
580000	Cylinder holder trolley	2.65	1	79 x 30.5 x 16.5	2.65



SPARE PARTS AND ACCESSORIES

The range is complemented by a series of spare parts and accessories for improved end user service.

HANDGRIPS

Ergonomic, sturdy, easy-to-handle and available in two models: normal and with a gas-saving lever handgrip for professional use. Utilises different extension pipes and burners for various uses. Connection with G 3/8 right extension pipe. Connection to G 3/8 left hose



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
584600	HANDGRIP	0.30	10	34 x 14 x 22.5	3.10
584650	HANDGRIP WITH GAS-SAVING LEVER	0.40	10	34 x 14 x 22.5	4.10
584651	HANDGRIP WITH GAS-SAVING LEVER FOR BIOMEGAFLAMME	0.40	10	34 x 14 x 22.5	4.10

BURNER



CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
584851	Ø 45 mm FE BURNER M10X1	M10X1	0.17	30	41 X 36 X 24	5.30

SUPPORT HOOK



CODE	Description	Weight (kg)	No.Pcs.
584700	STANDARD SUPPORT HOOK	0.10	1
584702	SUPPORT HOOK FOR BIOMEGAFLAMME	0.65	1

FITTED HOSE



CODE	Description	Weight (kg)	No.Pcs.
441601	5 M 4X11 DVGW- DK6 FITTED HOSE G3/8 LH - G3/8 LH	0.76	1

2,5 BAR 6/8 KG REGULATOR



CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
422000	IT - KEY 25	0.20	70	40 x 28 x 15	14.20
422001	DE - KEY 30	0.30	70	40 x 28 x 15	21.20
422002	FR - KEY 27	0.30	70	40 x 28 x 15	21.20
422003	GB - G5/8	0.30	70	40 x 28 x 15	21.20
422008	DK - JUMBO	0.50	40	40 x 40 x 24	20.20
422009	SE - JUMBO	0.50	40	40 x 40 x 24	20.20

CARTRIDGE WITH 7/16 VALVE

65 mm diameter cartridges with valve that can be directly connected to equipment and can be replaced at any time even if not completely empty. Connection : :



60/40 butane propane mixture (per 210 g)

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
483100	PROPAN/BUTAN cartridge 210 g	0.31	24	28.5 x 22 x 35.5	7.60
483150	PROPAN/BUTAN cartridge 330 g	0.45	24	42 x 29 x 28	12.20





Oxyturbo has extended its product range with the introduction of a new series of items and accessories for MIG/MAG welding. These products have been chosen, tested and guaranteed by Oxyturbo and meet customer needs for a range of low cost quality torches.

MIG/MAG WELDING

The MIG/MAG welding process is a continuous process in which the weld pool protection is guaranteed by a cover gas flowing from the torch onto the part to be welded. Being a continuous process ensures high productivity of the process itself, and at the same time the presence of gas allows for operation without scorching (both these features increase the affordability of the electrode welding process).

A MIG/MAG welding station must be composed of the following components:

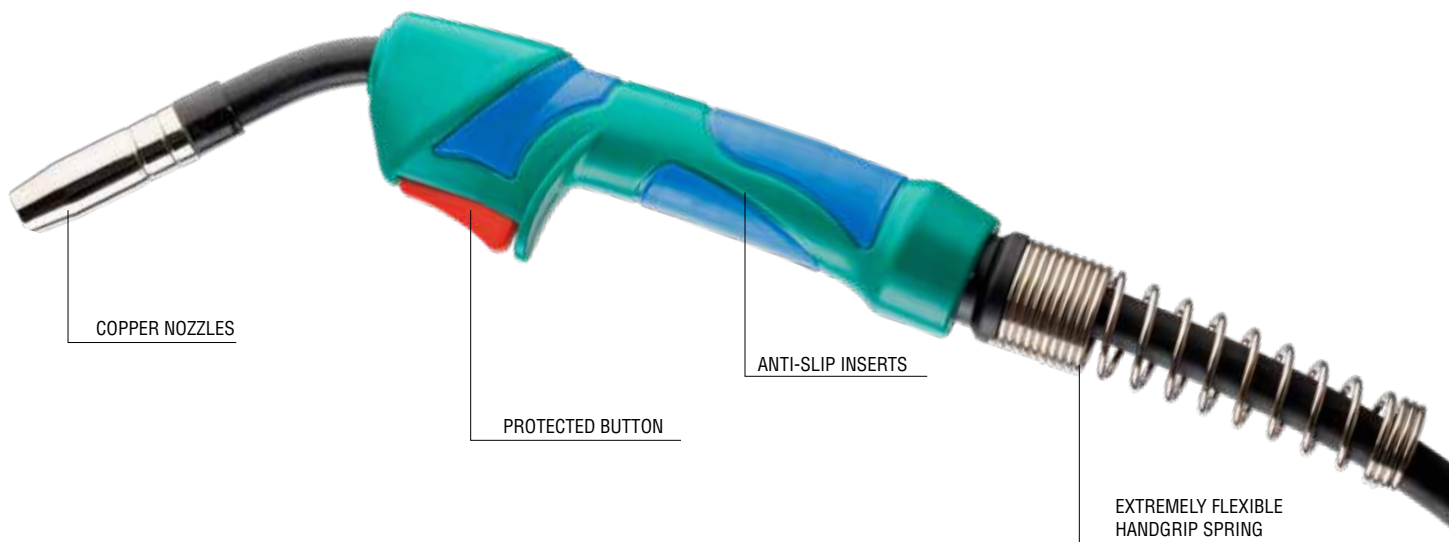
- **Dual-function torch: to form the arc between the wire and the piece and bring the protection gas on the weld pool**
- **Mass**
- **Arc current generator (in modern machines, the check of arc characteristics is carried out electronically)**
- **Feeding mechanism and check that the**
- **Reel wraps the**
- **Protection gas cylinder.**

MIG/MAG WELDING APPLICATIONS

MIG/MAG welding is used when high productivity and a high degree of flexibility are required. With this technology, it is possible to weld both austenitic and ferritic steels, light metal alloys (Al and Mg), copper alloys, nickel alloys and titanium alloys. Since the weld pool protection is guaranteed by a gas flow, this procedure is only recommended in workshops, as even moderate wind can cause dispersion of the gas flow with a resulting reduction in the quality of the welded joint. It is possible in some cases to work outside, making protective domes around the area to be welded.

BZ 15 TORCH

Compact, easy to handle torch with extraordinary technical features.



TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Air
Wire diameter	0.6 – 0.8 – 1.0
Working cycle	60% 180A CO ₂ -150A Mix

A very lightweight torch with a new ergonomic bi-material handgrip for less fatigue and muscular load on the forearm, allowing better manoeuvrability during welding. The button is protected by an edge that prevents accidental ignition.

Available with 3 different cables measurements: 3 - 4 - 5 metres.

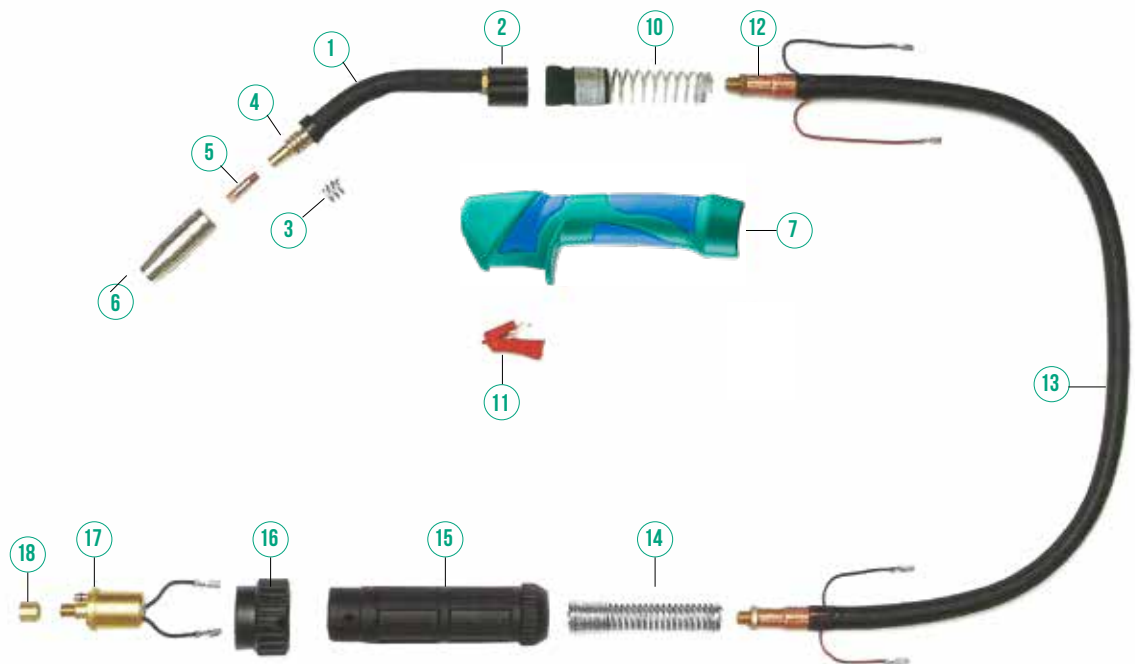
RECOMMENDED USE

Ideal for lightweight bodywork and semi-professional use, for steel, stainless steel and aluminium wires up to 0.8 mm in diameter.

CODE	Description	Weight (kg)	No. Pcs.
9T0200153SP	Mig Torch BZ 15 3 m	2.00	1
9T0200154SP	Mig Torch BZ 15 4 m	2.20	1
9T0200155SP	Mig Torch BZ 15 5 m	2.40	1



BZ 15 TORCH SPARE PARTS

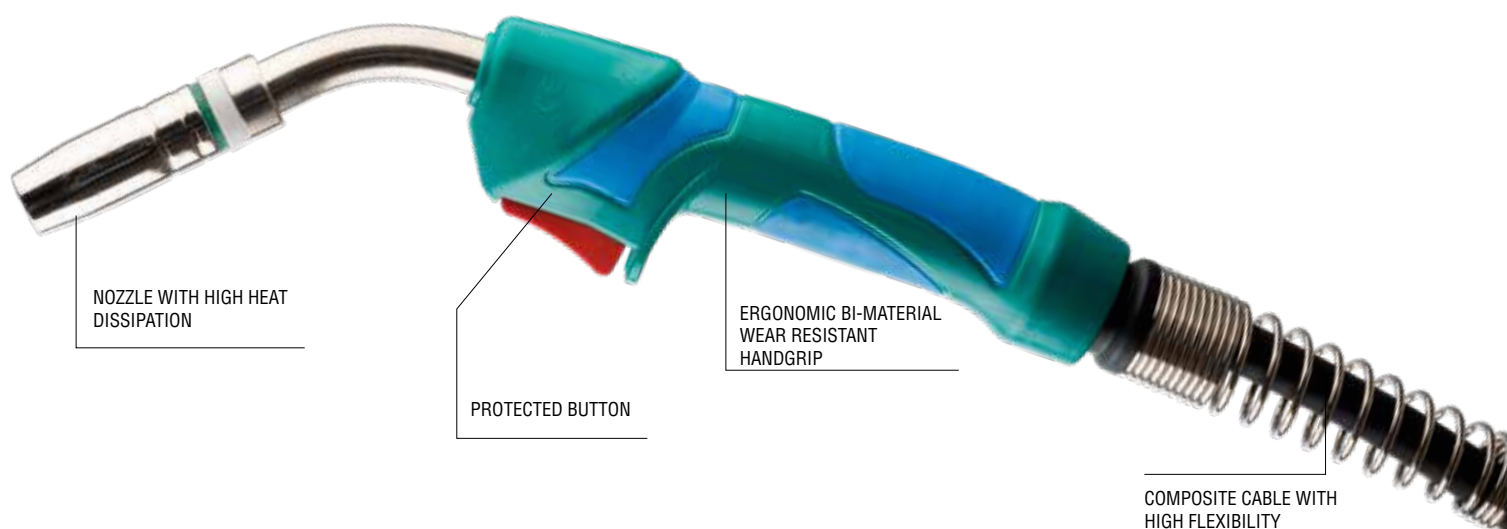


**INTERCHANGEABLE
SPARE PARTS AND
COMPATIBLE WITH
MAJOR EUROPEAN
MANUFACTURERS.**

CODE	Description	No.	No. Pcs.
9T0206151C	Complete adjustable swan neck BZ 15	1	1
9T021015C	Pvc torch body	2	1
9T02051501C	Spring	3	100
9T020515FC	Tip adaptor gas diffuser BZ 15	4	10
9T02011506C	Contact tip M6X25 Ø 0.6	5	20
9T02011508C	Contact tip M6X25 Ø 0.8	5	20
9T02011510C	Contact tip M6X25 Ø 1.0	5	20
9T02011512C	Contact tip M6X25 Ø 1.2	5	20
9T0202151COC	Adjustable conic nozzle Ø 12	6	10
9T0208ABZTT	Complete anatomic handle rubbered	7	1
9TEA321	Spring for handle	10	1
9T0209ABZ	Switch for anatomic handle	11	1
9TVAB1820	Sleeve 35 sq mm coax cable	12	10
9T0220153E	Coax cable 16mm ² 3 m	13	1
9T0220154E	Coax cable 16mm ² 4 m	13	1
9T0220155E	Coax cable 16mm ² 5 m	13	1
9TEA331	Spring for small connector case	14	1
9TBW195	Small connector case	15	1
9T023004C	Nut for case	16	1
9T023005C	Euro connector w/bitt splice C	17	1
9T023006C	Liner nut	18	1

BZ 25 TORCH

Quality at a low cost.



TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Air
Wire diameter	0.6 – 0.8 – 1.2
Working cycle	60% 250A CO ₂ -220A Mix

A torch that offers an excellent performance level with good value for money. The button is protected by an edge that prevents accidental ignition.

Available with 3 different cables measurements: 3 - 4 - 5 metres.

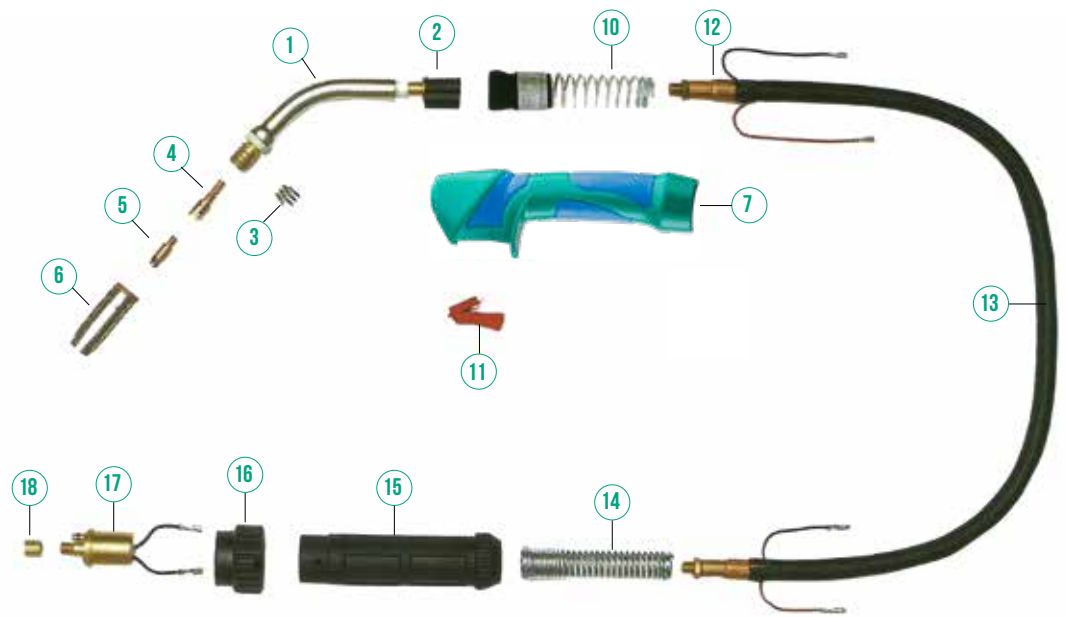
RECOMMENDED USE

Ideal for lightweight bodywork and light carpentry use, for steel, stainless steel and aluminium wires up to 1.0 mm in diameter.

CODE	Description	Weight (kg)	No. Pcs.
9T0200253SP	Mig Torch BZ 25 3 m	2.40	1
9T0200254SP	Mig Torch BZ 25 4 m	2.60	1
9T0200255SP	Mig Torch BZ 25 5 m	2.80	1

BZ 25 TORCH SPARE PARTS

INTERCHANGEABLE
SPARE PARTS AND
COMPATIBLE WITH
MAJOR EUROPEAN
MANUFACTURERS.



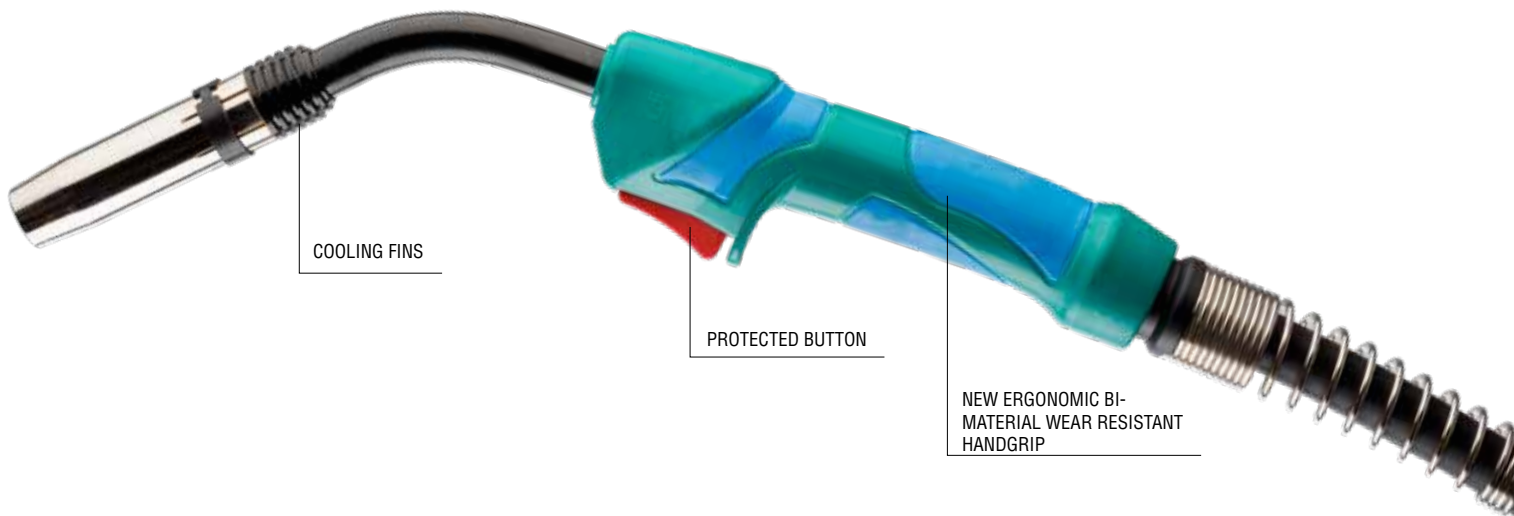
CODE	Description	No.	No.Pcs.
9T020625C	Complete adjustable swan neck BZ 25	1	1
9T021015C	Pvc torch body	2	1
9T02052501C	Spring	3	100
9T020525C	Tip adaptor gas diffuser BZ 25	4	10
9T02012506C	Contact tip M6x28 \varnothing 0.6	5	20
9T02012508C	Contact tip M6x28 \varnothing 0.8	5	20
9T02012510C	Contact tip M6x28 \varnothing 1.0	5	20
9T02012512C	Contact tip M6x28 \varnothing 1.2	5	20
9T02012506H	Contact tip M6x28 \varnothing 0.6 Cuczr	5	10
9T02012508H	Contact tip M6x28 \varnothing 0.8 Cuczr	5	10
9T02012510H	Contact tip M6x28 \varnothing 1.0 Cuczr	5	10
9T02012512H	Contact tip M6x28 \varnothing 1.2 Cuczr	5	10
9T020225COC	Adjustable conic nozzle \varnothing 15	6	10
9T0208ABZTT	Complete anatomic handle rubbered	7	1
9TEA321	Spring for handle	10	1
9T0209ABZ	Switch for anatomic handle	11	1
9TVAB1820	Sleeve 35 SQ mm coax cable	12	10
9T0220253E	Coax cable 25 mm ² 3 m	13	1
9T0220254E	Coax cable 25 mm ² 4 m	13	1
9T0220255E	Coax cable 25mm ² 5 m	13	1
9TEA331	Spring for small connector case	14	1
9TBW195	Small connector case	15	1
9T023004C	Nut for case	16	1
9T023005C	Euro connector w/bitt splice C	17	1
9T023006C	Liner nut	18	1



PROTECTED BUTTON

BZ 36 TORCH

Reliable, safe semi-professional tool.



TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Air
Wire diameter	0.6 – 0.8 – 1.2 – 1.6
Working cycle	60% 360A CO ₂ -320A Mix

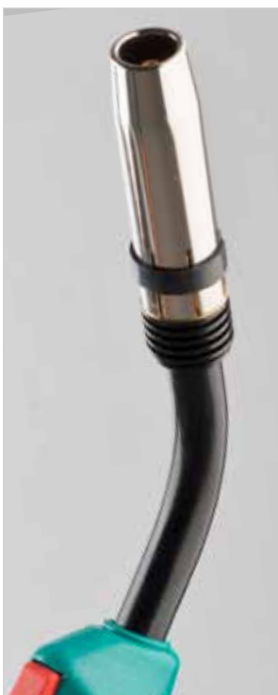
A low cost, quality torch. Components are interchangeable with standard major European manufacturers and are made with wear-resistant, thermally stable and long-lasting materials, ensuring excellent performance even for the most complex welding.

Available with 3 different cables measurements: 3 - 4 - 5 metres.

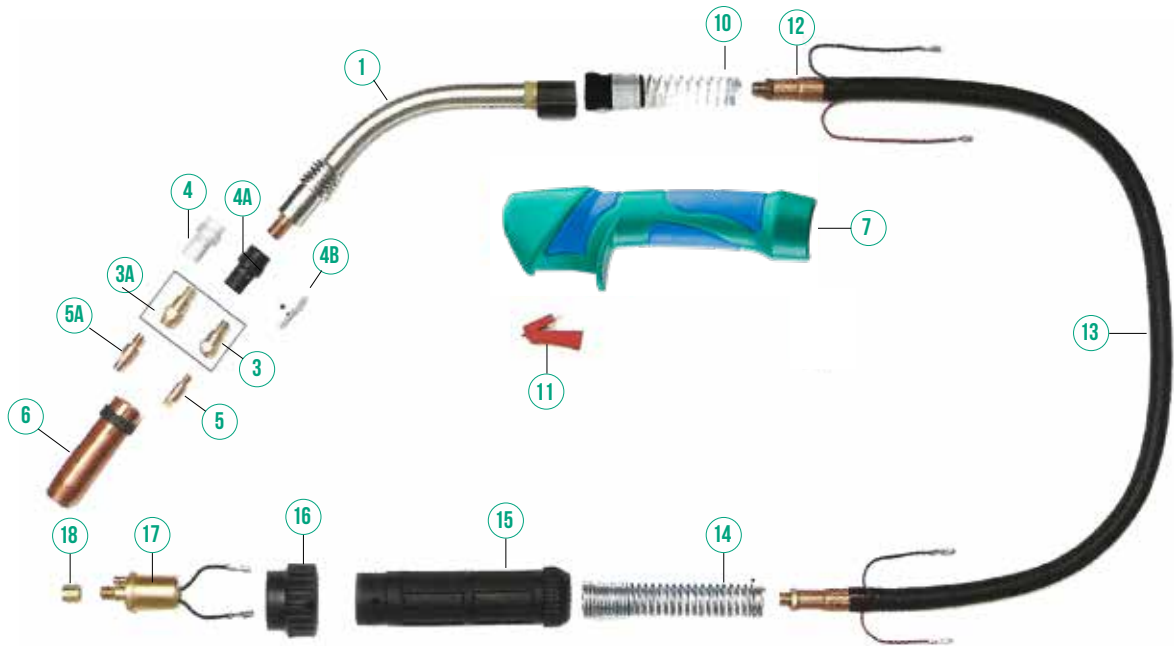
RECOMMENDED USE

Ideal for medium carpentry and industrial bodywork, for steel, stainless steel and aluminium wires up to 1.6 mm in diameter

CODE	Description	Weight (kg)	No.Pcs.
9T0200363SP	Mig Torch BZ 36 3 m	3.70	1
9T0200364SP	Mig Torch BZ 36 4 m	3.90	1
9T0200365SP	Mig Torch BZ 36 5 m	4.10	1



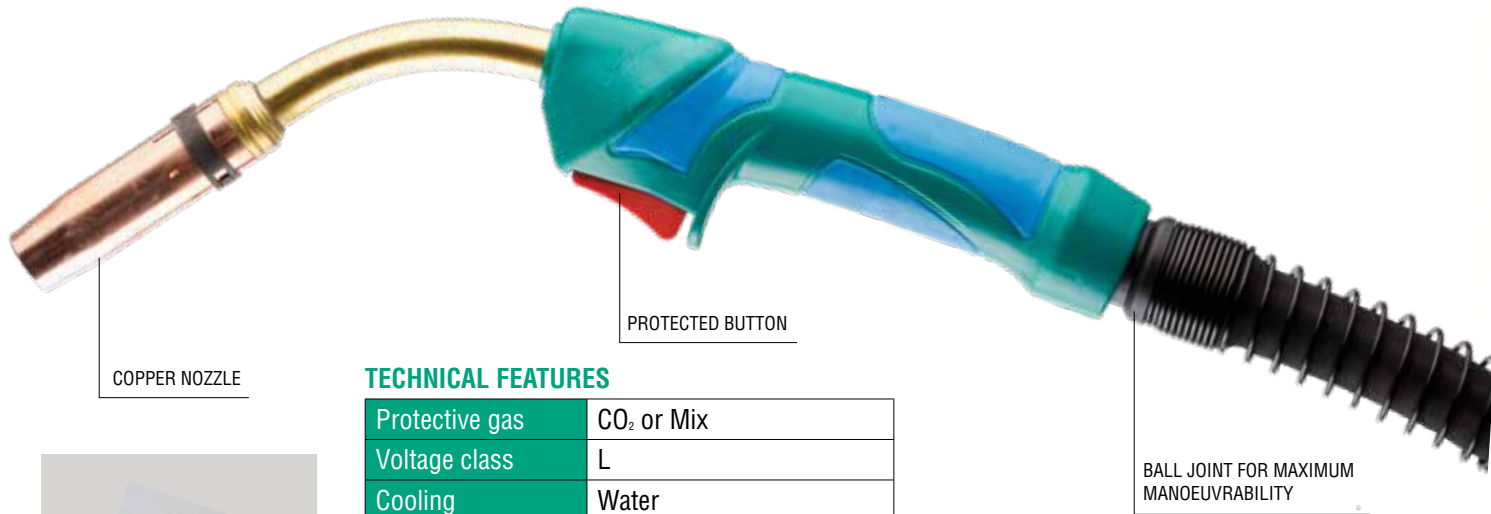
BZ 36 TORCH SPARE PARTS



CODE	Description	No.	No. Pcs.
9T020636C	Complete adjustable swan neck BZ 36	1	1
9T020336M6C	Tip adaptor BZ 36 M6	3	10
9T020336M8C	Tip adaptor BZ 36 M8	3A	10
9T020536C	Gas diffuser BZ 36	4	50
9T020536CB	Black gas diffuser BZ 36	4A	50
9T020536CER	Ceramics gas diffuser BZ 36	4B	50
9T02012506C	Contact tip M6x28 ø 0.6	5	20
9T02012508C	Contact tip M6x28 ø 0.8	5	20
9T02012510C	Contact tip M6x28 ø 1.0	5	20
9T02012512C	Contact tip M6x28 ø 1.2	5	20
9T02012506H	Contact tip M6x28 ø 0.6 Cucrzr	5	10
9T02012508H	Contact tip M6x28 ø 0.8 Cucrzr	5	10
9T02012510H	Contact tip M6x28 ø 1.0 Cucrzr	5	10
9T02012512H	Contact tip M6x28 ø 1.2 Cucrzr	5	10
9T02012514H	Contact tip M6x28 ø 1.4 Cucrzr	5	10
9T02012516H	Contact tip M6x28 ø 1.6 Cucrzr	5	10
9T0201M83008C	Contact tip M8x30 ø 0.8	5A	20
9T0201M83010C	Contact tip M8x30 ø 1.0	5A	20
9T0201M83012C	Contact tip M8x30 ø 1.2	5A	20
9T0201M83014C	Contact tip M8x30 ø 1.4	5A	20
9T0201M83016C	Contact tip M8x30 ø 1.6	5A	20
9T0201M83008H	Contact tip M8x30 ø 0.8 Cucrzr	5A	10
9T0201M83010H	Contact tip M8x30 ø 1.0 Cucrzr	5A	10
9T0201M83012H	Contact tip M8x30 ø 1.2 Cucrzr	5A	10
9T0201M83014H	Contact tip M8x30 ø 1.4 Cucrzr	5A	10
9T0201M83016H	Contact tip M8x30 ø 1.6 Cucrzr	5A	10
9T020236COC	Adjustable conic nozzle ø 16	6	10
9T0208ABZTT	Complete anatomic handle rubbered	7	1
9TEA321	Spring for handle	10	1
9T0209ABZ	Switch for anatomic handle	11	1
9TVAB2022CU2G	Sleeve coax cable	12	10
9T0220363E	Coax cable 50 mm² 3 m	13	1
9T0220364E	Coax cable 50 mm² 4 m	13	1
9T0220365E	Coax cable 50 mm² 5 m	13	1
9TEA311	Spring for small connector case	14	1
9TBW159	Big connector case	15	1
9T023004C	Nut for case	16	1
9T023005C	Euro connector w/bitt splice C	17	1
9T023006C	Liner nut	18	1

BZ 240 TORCH

A reliable, safe professional torch with excellent value for money.



COPPER NOZZLE

PROTECTED BUTTON

BALL JOINT FOR MAXIMUM MANOEUVRABILITY

TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Water
Wire diameter	0.6 – 0.8 – 1.2
Working cycle	60% 300A CO ₂ -270A Mix

A torch with water cooling. Equipped with an ergonomic bi-material handgrip which makes it suitable for prolonged use without causing too much fatigue to operator forearms. Its light weight also makes it very manoeuvrable during welding operations. The button is protected by an edge that prevents accidental ignition.

Available with 3 different cables measurements: 3 - 4 - 5 metres.

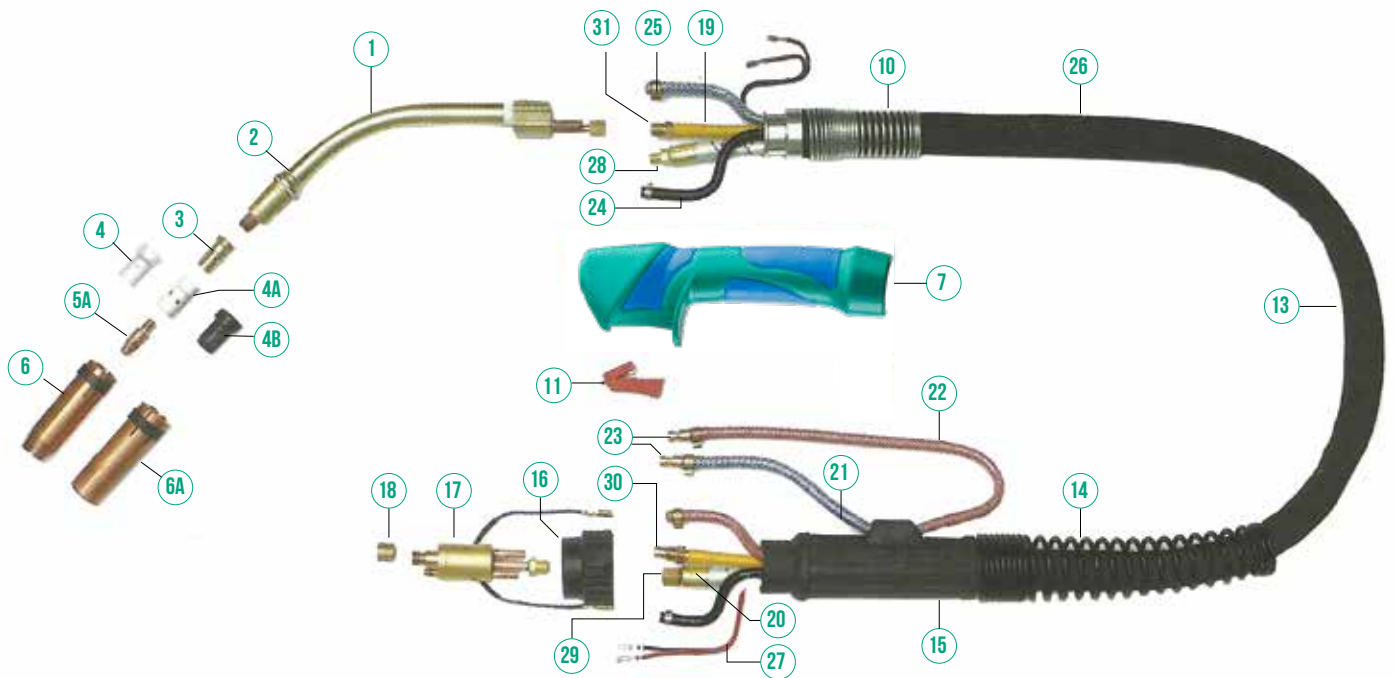
RECOMMENDED USE

Ideal for heavy carpentry, for steel wires up to 1.2 mm and for stainless steel and aluminium wires up to 1.6 mm in diameter.

CODE	Description	Weight (kg)	No.Pcs.
9T02002403SP	Mig Torch BZ 240 3 m	3.70	1
9T02002404SP	Mig Torch BZ 240 4 m	3.90	1
9T02002405SP	Mig Torch BZ 240 5 m	4.10	1

BZ 240 TORCH SPARE PARTS

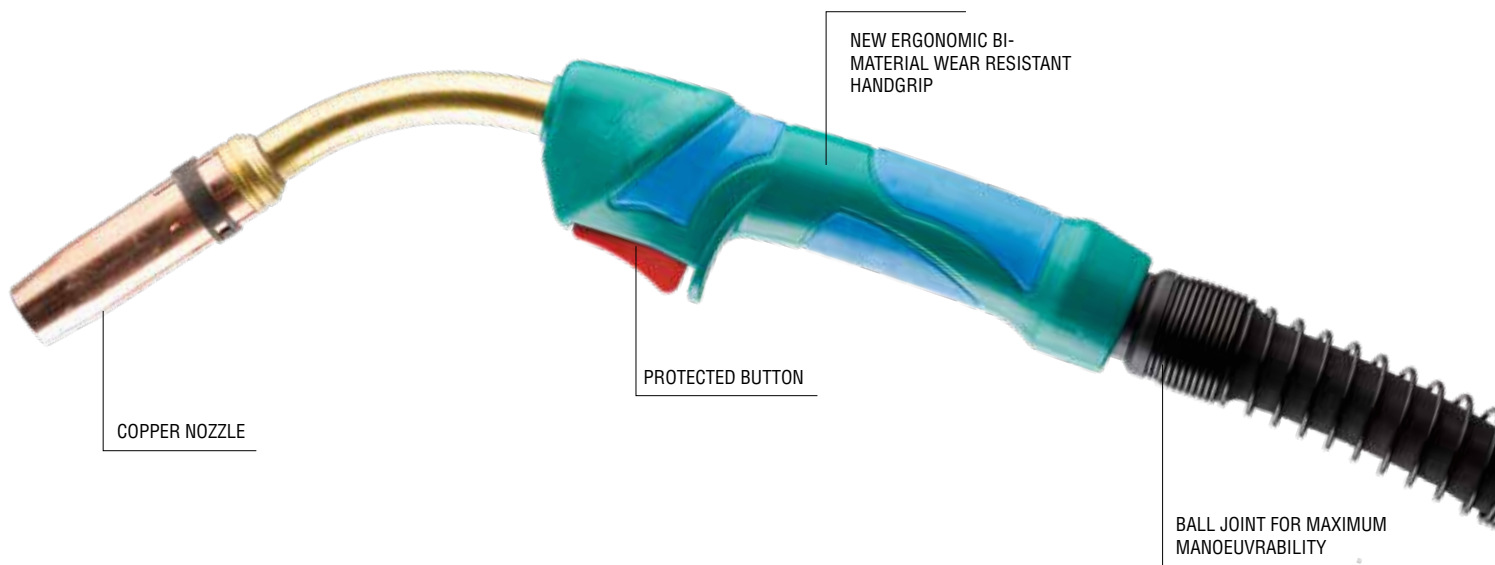
CODE	Description	No.	No.Pcs.
9T0206240	Complete adjustable swan neck BZ 240	1	1
9T020524C	Gas diffuser BZ 240	2	50
9T020336M6C	Tip adaptor BZ 36 M6	3	10
9T02012506C	Contact tip M6x28 ø 0.6	4	20
9T02012508C	Contact tip M6x28 ø 0.8	4	20
9T02012510C	Contact tip M6x28 ø 1.0	4	20
9T02012512C	Contact tip M6x28 ø 1.2	4	20
9T02012506H	Contact tip M6x28 ø 0.6 Cucrzt	4A	10
9T02012508H	Contact tip M6x28 ø 0.8 Cucrzt	4A	10
9T02012510H	Contact tip M6x28 ø 1.0 Cucrzt	4A	10



CODE	Description	No.	No. Pcs.
9T02012512H	Contact tip M6x28 ø 1.2 Cucrzr	4A	10
9T02012514H	Contact tip M6x28 ø 1.4 Cucrzr	4A	10
9T02012516H	Contact tip M6x28 ø 1.6 Cucrzr	4A	10
9T020224COC	Adjustable conic nozzle ø 12.5	6	10
9T020224CLC	Adjustable cylindrical nozzle ø 17	6A	10
9T02022410	Adjustable conic nozzle ø 10	6	10
9T0208ABZTT	Complete anatomic handle rubbered	7	1
9T0208ER02	Screw for handle	-	1
9T02144ER15	Front junction for handle	-	1
9T02144M92	Spring for handle	10	1
9T0209ABZ	Switch for anatomic handle	11	1
9T02205013	Cable assembly cpl. 3 m	13	1
9T02205014	Cable assembly cpl. 4 m	13	1
9T02205015	Cable assembly cpl. 5 m	13	1
9TEA311	Spring for small connector case	14	1
9TBW159	Big connector case	15	1
9T023004C	Nut for case	16	1
9T0230501C	Back torch body movable plug water	17	1
9T023006C	Liner nut	18	1
9T02245013GO	Rubber power cable 3 m for H ₂ O	19	1
9T02245014GO	Rubber power cable 4 m for H ₂ O	19	1
9T02245015GO	Rubber power cable 5 m for H ₂ O	19	1
9T02215013	Rilsan wire conduit 3 m	20	1
9T02215014	Rilsan wire conduit 4 m	20	1
9T02215015	Rilsan wire conduit 5 m	20	1
9TVAGH58BPVC	PVC hose 5x8 blue for H ₂ O	21	100
9TVAGH58B	Rubber hose 5x8 blue for H ₂ O	21	250
9TVAGH58RPVC	PVC hose 5x8 red for H ₂ O	22	100
9TVAGH58R	Rubber hose 5x8 red for H ₂ O	22	250
9T0235501	Male quick connection H ₂ O	23	10
9TVAGH58N	O/B rubber hose 5x8 black	24	250
9T02305011	Clamp ø 9.5	25	100
9T02305012	Clamp ø 10.5	25	100
9T02305013	Clamp ø 8.7	25	100
9T02305014	Clamp ø 8.0	25	100
9TVAPR2528N	Canvas sheating 25x28 N	26	40
9TVAPR2831N	Canvas sheating 28x31 N	26	40
9TVAPR3032N	Canvas sheating 30x32 N	26	40
9TVACVBP	Control wire	27	100
9T02PG501A	Male fitting front rilsan wire con.	28	1
9T02PG501P	Male fitting back rilsan wire con.	29	1
9T0245M501C	Male fitting for p.c. BZ 501 C	30	1
9T0245F501C	Female fitting for p.c. BZ 501 C	31	1

BZ 501 TORCH

Professional torch with water cooling.
Excellent performance at a low price.



TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Water
Wire diameter	0.6 – 0.8 – 1.2 – 1.6
Working cycle	60% 500A CO ₂ - 450A Mix

A torch that can provide excellent performance with good value for money. The ergonomic and lightweight handgrip allows excellent weight balancing and easy manoeuvrability without straining the user's hand too much. A special protective edge on the button prevents accidental ignition.

Available with 3 different cables measurements: 3 - 4 - 5 metres.

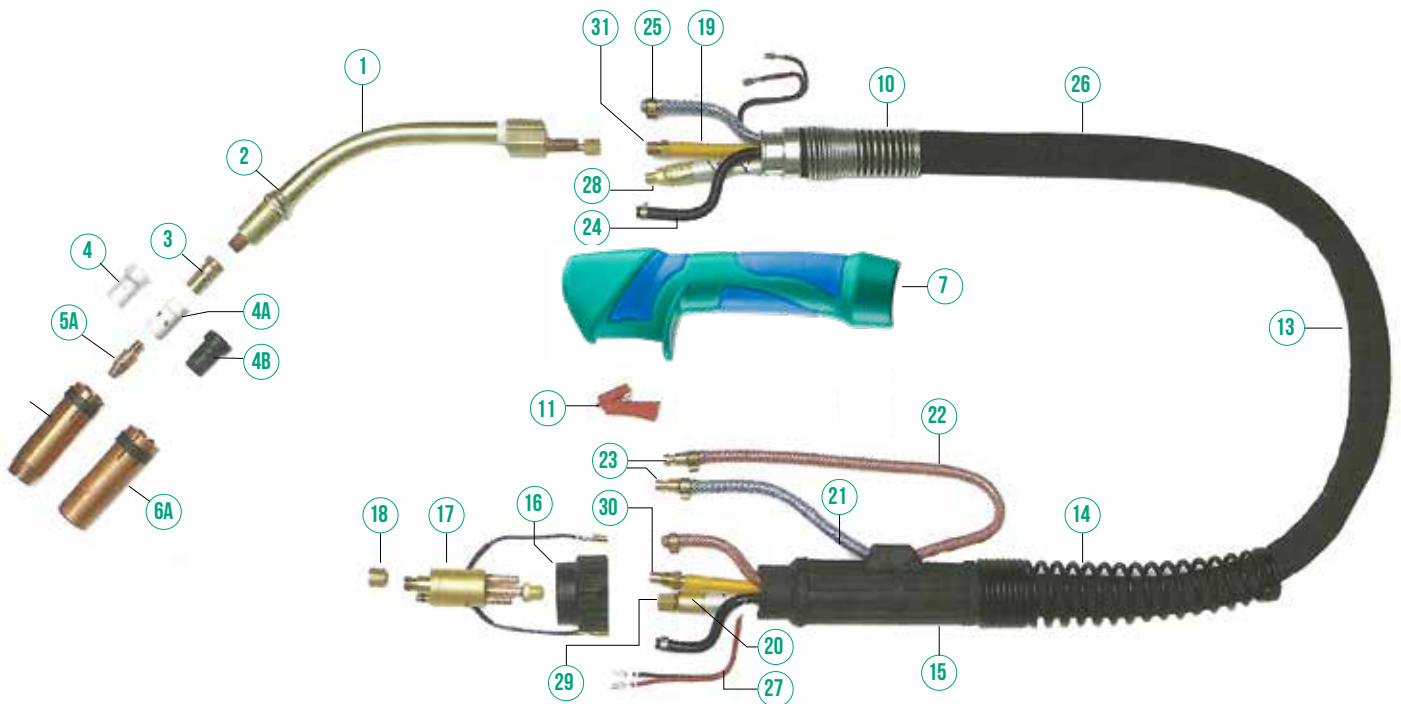
RECOMMENDED USE

Ideal for medium heavy carpentry, for steel wires up to 1.6 mm and for aluminium and stainless-steel wires up to 1.0 mm in diameter.



CODE	Description	Weight (kg)	No.Pcs.
9T02005013SPC16	Mig Torch BZ 501 3 m	3.70	1
9T02005014SPC16	Mig Torch BZ 501 4 m	3.90	1
9T02005015SPC16	Mig Torch BZ 501 5 m	4.10	1

BZ 501 TORCH SPARE PARTS



CODE	Description	No.	No. Pcs.
9T0206501C	Complete adjustable swan neck BZ 501	1	1
9T0203501	Washer 501	2	100
9T0205501C/C	Tip holder BZ 501	3	10
9T0205501	Insulated gas diffuser BZ 501	4	50
9T0205501CER	Ceramic gas diffuser BZ 501	4A	50
9T0205501/CB	Black insulated gas diffuser BZ 501	4B	50
9T0201M83008C	Contact tip M8x30 ø 0.8	5A	20
9T0201M83010C	Contact tip M8x30 ø 1.0	5A	20
9T0201M83012C	Contact tip M8x30 ø 1.2	5A	20
9T0201M83014C	Contact tip M8x30 ø 1.4	5A	20
9T0201M83016C	Contact tip M8x30 ø 1.6	5A	20
9T0201M83008H	Contact tip M8x30 ø 0.8 Cucrzt	5A	10
9T0201M83010H	Contact tip M8x30 ø 1.0 Cucrzt	5A	10
9T0201M83012H	Contact tip M8x30 ø 1.2 Cucrzt	5A	10
9T0201M83014H	Contact tip M8x30 ø 1.4 Cucrzt	5A	10
9T0201M83016H	Contact tip M8x30 ø 1.6 Cucrzt	5A	10
9T020250116C	Adjustable conic nozzle ø 16	6	10
9T020250119C	Adjustable conic nozzle ø 19	6A	10
9T0208ABZTT	Complete anatomic handle rubbered	7	1
9T02144M92	Spring for handle	10	1
9T0209ABZ	Switch for anatomic handle	11	1
9T02205013	Cable assembly cpl. 3 m	13	1
9T02205014	Cable assembly cpl. 4 m	13	1
9T02205015	Cable assembly cpl. 5 m	13	1
9TEA311	Spring for small connector case	14	1
9TBW159	Big connector case	15	1

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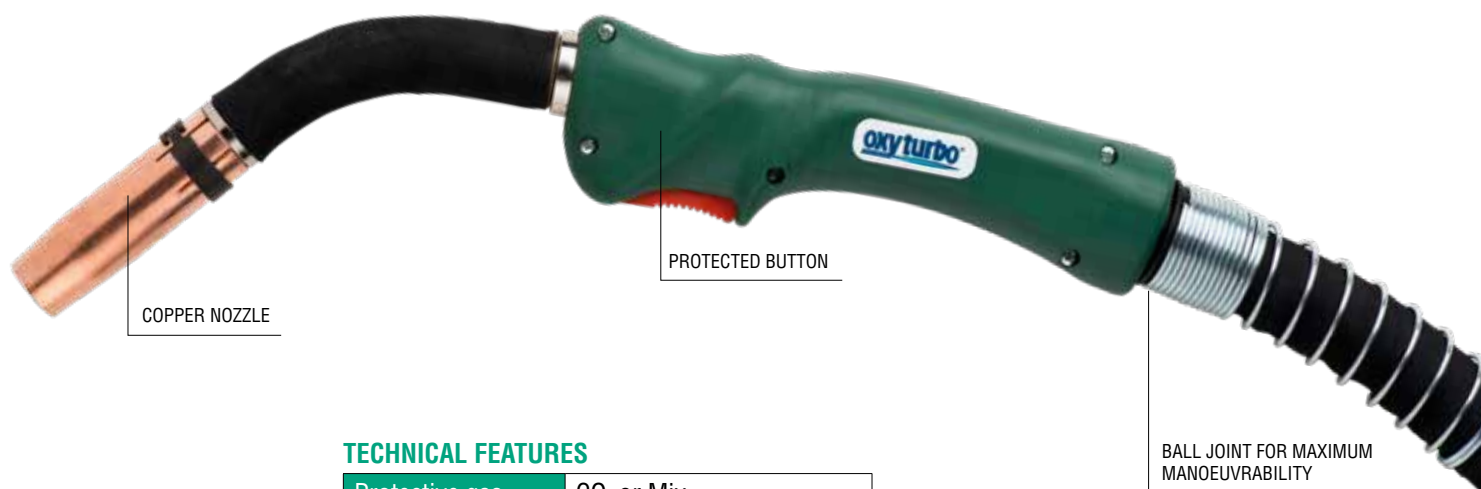
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CODE	Description	No.	No.Pcs.
9T023004C	Nut for case	16	1
9T0230501C	Back torch body movable plug water	17	1
9T023006C	Liner nut	18	1
9T02245013GO	Rubber power cable 3 m for H ₂ O	19	1
9T02245014GO	Rubber power cable 4 m for H ₂ O	19	1
9T02245015GO	Rubber power cable 5 m for H ₂ O	19	1
9T02215013	Rilsan wire conduit 3 m	20	1
9T02215014	Rilsan wire conduit 4 m	20	1
9T02215015	Rilsan wire conduit 5 m	20	1
9TVAGH58BPVC	PVC hose 5x8 blue for H ₂ O	21	100
9TVAGH58B	Rubber hose 5x8 blue for H ₂ O	21	250
9TVAGH58RPVC	PVC hose 5x8 red for H ₂ O	22	100
9TVAGH58R	Rubber hose 5x8 red for H ₂ O	22	250
9T0235501	Male quick connection H ₂ O	23	1
9TVAGH58N	Rubber hose 5x8 black for H ₂ O	24	250
9T02305011	Clamp ø 9.5	25	100
9T02305012	Clamp ø 10.5	25	100
9T02305013	Clamp ø 8.7	25	100
9T02305014	Clamp ø 8.0	25	100
9TVAPR2528N	Canvas sheating 25x28 N	26	40
9TVAPR2831N	Canvas sheating 28x31 N	26	40
9TVACVBP	Control wire	27	100
9T02PG501A	Male fitting front rilsan wire con.	28	1
9T02PG501P	Male fitting back rilsan wire con.	29	1
9T0245M501C	Male fitting for p.c. BZ 501 C	30	1
9T0245F501C	Female fitting for p.c. BZ 501 C	31	1

INTERCHANGEABLE
SPARE PARTS AND
COMPATIBLE WITH
MAJOR EUROPEAN
MANUFACTURERS.

BZ 550 POWERTORCH

Extraordinary technical features for a torch with water cooling and a low price.



TECHNICAL FEATURES

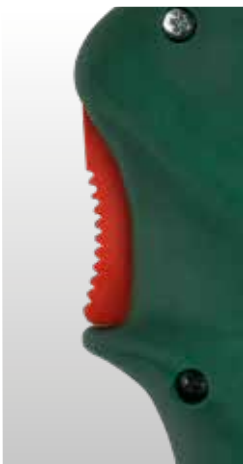
Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Water
Wire diameter	0.6 – 0.8 – 1.2 – 1.6
Working cycle	60% 500A CO ₂ - 500A Mix

A torch that can provide excellent performance even for the most complex welding, with good value for money. The ergonomic handgrip causes less hand fatigue and muscular load on the forearm, allowing better manoeuvrability during welding.

Available with 3 different cables measurements: 3 - 4 - 5 metres.

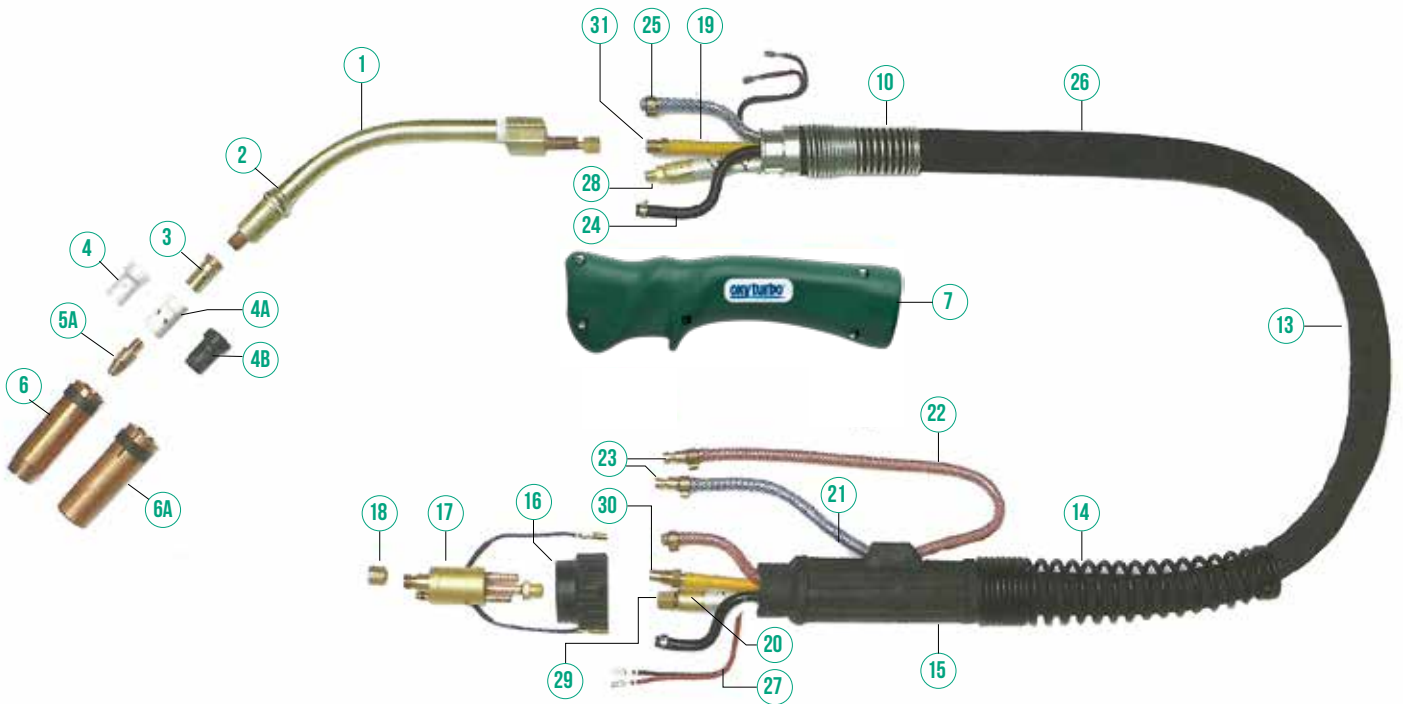
RECOMMENDED USE

Ideal for medium heavy carpentry, for steel wires up to 1.6 mm and for aluminium and stainless-steel wires up to 1.2 mm in diameter.



CODE	Description	Weight (kg)	No.Pcs.
9T02005503	Mig Torch BZ 550 Power 3 m	3.70	1
9T02005504	Mig Torch BZ 550 Power 4 m	3.90	1
9T02005505	Mig Torch BZ 550 Power 5 m	4.10	1

BZ 550 TORCH POWER SPARE PARTS



CODE	Description	No.	No.Pcs.
9T0206550	Complete adjustable swan neck BZ 550 power	1	1
9T0203501	Washer 501	2	100
9T0205501C/C	Tip holder bz 501	3	50
9T0205501	Insulated gas diffuser BZ 501	4	50
9T0205501CER	Ceramic gas diffuser BZ 501	4A	50
9T0205501/CB	Black insulated gas diffuser BZ 501	4B	50
9T0201M83008C	Contact tip m8x30 ø 0.8	5A	20
9T0201M83010C	Contact tip m8x30 ø 1.0	5A	20
9T0201M83012C	Contact tip m8x30 ø 1.2	5A	20
9T0201M83014C	Contact tip m8x30 ø 1.4	5A	20
9T0201M83016C	Contact tip m8x30 ø 1.6	5A	20
9T0201M83008H	Contact tip m8x30 ø 0.8 Cucrzt	5A	10
9T0201M83010H	Contact tip m8x30 ø 1.0 Cucrzt	5A	10
9T0201M83012H	Contact tip m8x30 ø 1.2 Cucrzt	5A	10
9T0201M83014H	Contact tip m8x30 ø 1.4 Cucrzt	5A	10
9T0201M83016H	Contact tip m8x30 ø 1.6 Cucrzt	5A	10
9T020250116C	Adjustable conic nozzle ø 16	6	10
9T020250119C	Adjustable conic nozzle ø 19	6A	10
9T0208550	Anatomic handle rubbered	7	1
9T02144M92	Spring for handle	10	1
9T02205013	Cable assembly cpl. 3 m	13	1
9T02205014	Cable assembly cpl. 4 m	13	1
9T02205015	Cable assembly cpl. 5 m	13	1
9TEA311	Spring for small connector case	14	1
9TBW159	Big connector case	15	1
9T023004C	Nut for case	16	1
9T0230501C	Back torch body movable plug water	17	1
9T023006C	Liner nut	18	1
9T02245013GO	Rubber power cable 3 m for h ₂ O	19	1

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CODE	Description	No.	No.Pcs.
9T02245014GO	Rubber power cable 4 m for H ₂ O	19	1
9T02245015GO	Rubber power cable 5 m for H ₂ O	19	1
9T02215013	Rilsan wire conduit 3 m	20	1
9T02215014	Rilsan wire conduit 4 m	20	1
9T02215015	Rilsan wire conduit 5 m	20	1
9TVAGH58BPVC	PVC hose 5x8 blue for H ₂ O	21	100
9TVAGH58B	Rubber hose 5x8 blue for H ₂ O	21	250
9TVAGH58RPVC	PVC hose 5x8 red for H ₂ O	22	100
9TVAGH58R	Rubber hose 5x8 red for H ₂ O	22	250
9T0235501	Male quick connection H ₂ O	23	10
9TVAGH58N	Rubber hose 5x8 black for H ₂ O	24	250
9T02305011	Clamp ø 9.5	25	100
9T02305012	Clamp ø 10.5	25	100
9T02305013	Clamp ø 8.7	25	100
9T02305014	Clamp ø 8.0	25	100
9TVAPR2528N	Canvas sheating 25x28 N	26	40
9TVAPR2831N	Canvas sheating 28x31 N	26	40
9TVACVBP	Control wire	27	100
9T02PG501A	Male fitting front rilsan wire con.	28	1
9T02PG501P	Male fitting back rilsan wire con.	29	1
9T0245M501C	Male fitting for p.c. BZ 501 C	30	1
9T0245F501C	Female fitting for p.c. BZ 501 C	31	1

INTERCHANGEABLE
SPARE PARTS AND
COMPATIBLE WITH
MAJOR EUROPEAN
MANUFACTURERS.

BZ TORCHES WIP LINERS

CODE	Description	No.Pcs.
9T0204T4WIP	Blue wip liner 4 m	1
9T0204T5WIP	Blue wip liner 5 m	1
9T0204T4RWIP	Red wip liner 4 m	1
9T0204T5RWIP	Red wip liner 5 m	1
9T0204P4WIP	Yellow wip liner 4 m	1
9T0204P6WIP	Yellow wip liner 5 m	1
9T0204501N4WIP	Wip liner 4 m BZ 501 - BZ 550 POWER	1
9T0204501N5WIP	Wip liner 5,5 m BZ 501 - BZ 550 POWER	1
9T0204AL15	Wire conduit for aluminium 4.5 m ø 1.5	1
9T0204AL155	Wire conduit for aluminium 5.5 m ø 1.5	1
9T0204AL25	Wire conduit for aluminium 4.5 m ø 2.5	1
9T0204AL255	Wire conduit for aluminium 5.5 m ø 2.5	1
9T0204ALT	Nut for wire conduit for aluminium	1
9T0204ALG	Copper liner with spiral	1

TW 1 TORCH

Versatile and easy to handle, compatible
with original spare parts.



COPPER NOZZLE

COMPOSITE CABLE WITH
ELEVATE FLEXIBILITY

TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Air
Wire diameter	0.6 – 0.8 – 1.0 – 1.2
Working cycle	60% 200A CO ₂ – 150A Mix

Torch with American style handgrip and spare parts that are compatible with the original parts. The ergonomic handgrip design reduces operator fatigue. Suitable for repair and maintenance works.

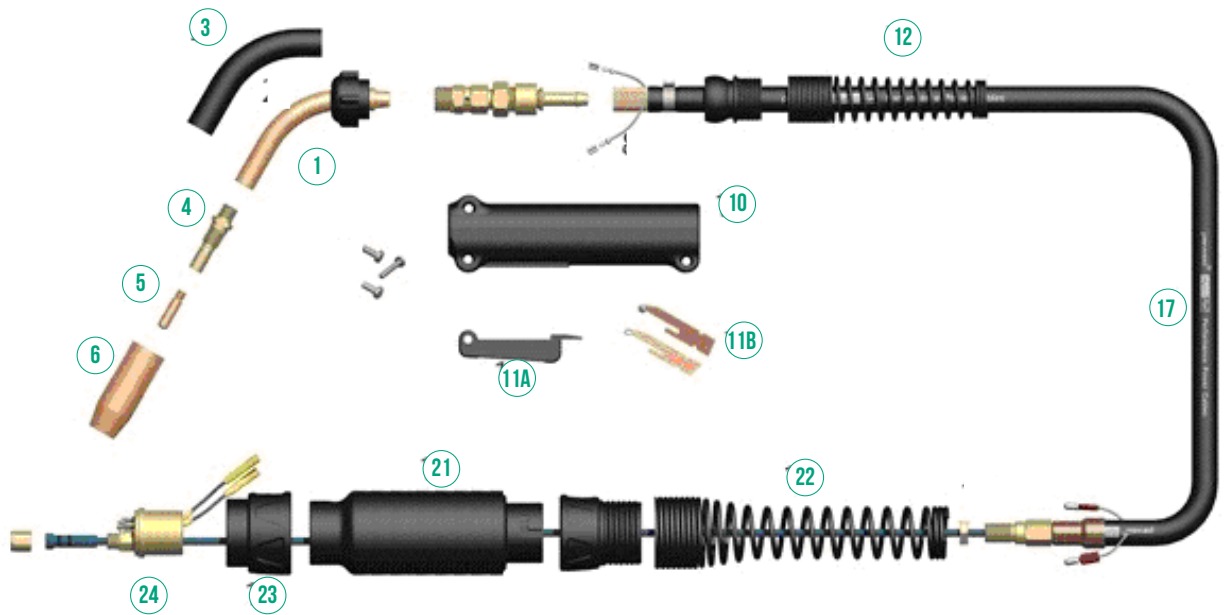
Available with 3 different cables measurements: 10 – 12 – 15 ft

RECOMMENDED USE

Designed for a wide range of applications, easy to use in several welding positions. Ideal for steel, stainless steel and aluminium wires up to 1.2 mm in diameter.

CODE	Description	Weight (kg)	No.Pcs.
9T01130E	TW1 Torch 10 ft. Euro connection	2.30	1
9T01140E	TW1 Torch 12 ft. Euro connection	2.60	1
9T01145E	TW1 Torch 15 ft. Euro connection	2.90	1

TW1 TORCH SPARE PARTS



CODE	Description	No.	No. Pcs.
9T016160C	Complete conductor tube TW1	1	1
9T0171A	Conductor tube insulation TW1	3	1
9T0151	Gas diffuser TW1	4	10
9T02011506C	Contact tip M6x25 ø 0.6	5	20
9T02011508C	Contact tip M6x25 ø 0.8	5	20
9T02011510C	Contact tip M6x25 ø 1.0	5	20
9T02011512C	Contact tip M6x25 ø 1.2	5	20
9T012137	Self insul. nozzle ø 10mm	6	10
9T012150	Self insul. nozzle ø 13mm	6	10
9T012162	Self insul. nozzle ø 16mm	6	10
9T0181	Handle case with screws	10	1
9T0191	Trigger switch with blades	11	1
9T0191A	Trigger switch without blades	11A	1
9T0191C	Switch blades set TW1	11B	1
9T011416S	Cable support TW1 spring	12	1
9T0120110E	Replac. Cable TW1 25 mm ² 10 ft.	17	1
9T0120112E	Replac. Cable TW1 25 mm ² 12 ft.	17	1
9T0120115E	Replac. Cable TW1 25 mm ² 15 ft.	17	1
9TBW195	Small connector case	21	1
9TEA331	Spring for small connector case	22	1
9T023004C	Nut for case	23	1
9T023005TW	Euro connector for TW 12x1	24	1
9T014240455WIP	Wip liner ø 0.8/1.0 – 4.5 m	25	1

TW 2 TORCH

Quality combined with sturdiness. The high-quality components provide excellent performance, increased reliability and durability. Compatibility is ensured with all welders.



TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Air
Wire diameter	0.6 – 0.8 – 1.0 – 1.2
Working cycle	60% 250A CO ₂ – 150A Mix

A robust torch that offers excellent performance and sturdiness to achieve high levels of productivity and durability, while at the same time being easy to use. Spare parts are Tweco compatible.

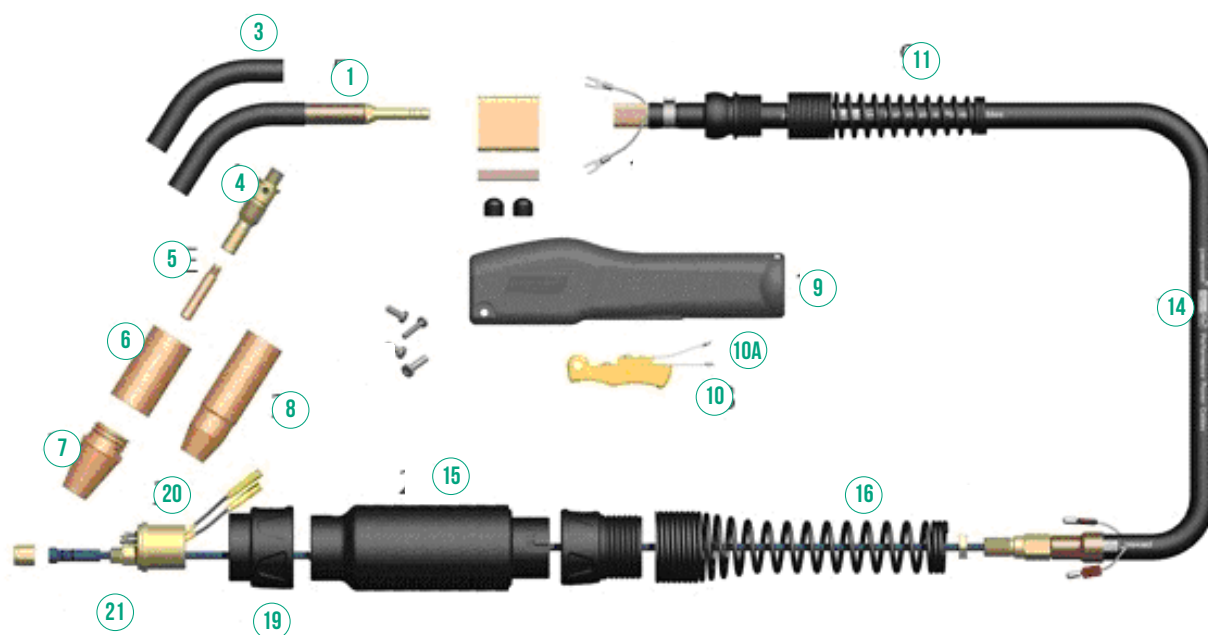
Available with 3 different cables measurements: 10 – 12 – 15 ft

RECOMMENDED USE

Ideal for semi-professional use, for steel, stainless steel and aluminium wires up to 1.6 mm in diameter.

CODE	Description	Weight (kg)	No.Pcs.
9T01230E	TW2 Torch 10 ft. Euro connection	2.90	1
9T01240E	TW2 Torch 12 ft. Euro connection	3.30	1
9T01245E	TW2 Torch 15 ft. Euro connection	3.70	1

TW 2 TORCH SPARE PARTS



CODE	Description	No.	No.Pcs.
9T0162A60C	Complete conductor tube 60° TW2	1	1
9T0172A	Conductor tube insulation TW2	3	1
9T0152FN	Gas diffuser TW2	4	10
9T0114H30C	Contact tip ø 0.8 mm	5	20
9T0114H40C	Contact tip ø 1.0 mm	5	20
9T0114H45C	Contact tip ø 1.2 mm	5	20
9T0114H52C	Contact tip ø 1.4 mm	5	20
9T0114H116C	Contact tip ø 1.6 mm	5	20
9T0134CT	Nozzle insul. for CT TW4	6	20
9T0124CT62C	Coarse thread nozzle ø 16 mm	7	10
9T012362	Self insul. Nozzle ø 16 mm	8	10
9T0182	Handle case with screws	9	1
9T0192	Trigger switch with blades	10	1
9T0192C	Switch blades set	10A	1
9T011426S	Cable support TW2 spring	11	1
9T0120210E	Replac. Cable TW2 35 mm ² 10 ft.	14	1
9T0120212E	Replac. Cable TW2 35 mm ² 12 ft.	14	1
9T0120215E	Replac. Cable TW2 35 mm ² 15 ft.	14	1
9TBW195	Small connector case	15	1
9TEA331	Spring for small connector case	16	1
9T023004C	Nut for case	19	1
9T023005TW	Euro connector for TW 12x1	20	1
9T014240455WIP	Wip liner ø 0.8/1.0 – 4.5 m	21	1

TW 4 TORCH

Excellent performance and high productivity.



TECHNICAL FEATURES

Protective gas	CO ₂ or Mix
Voltage class	L
Cooling	Air
Wire diameter	0.8 – 1.0 – 1.2 – 1.4 – 1.6
Working cycle	60% 400A CO ₂ – 350A Mix

The American type handgrip design reduces operator fatigue during use. Excellent performance torch with high productivity and reduced downtime. Perfect welding that makes a good impression on anyone who appreciates a job well done. Spare parts are Tweco compatible.

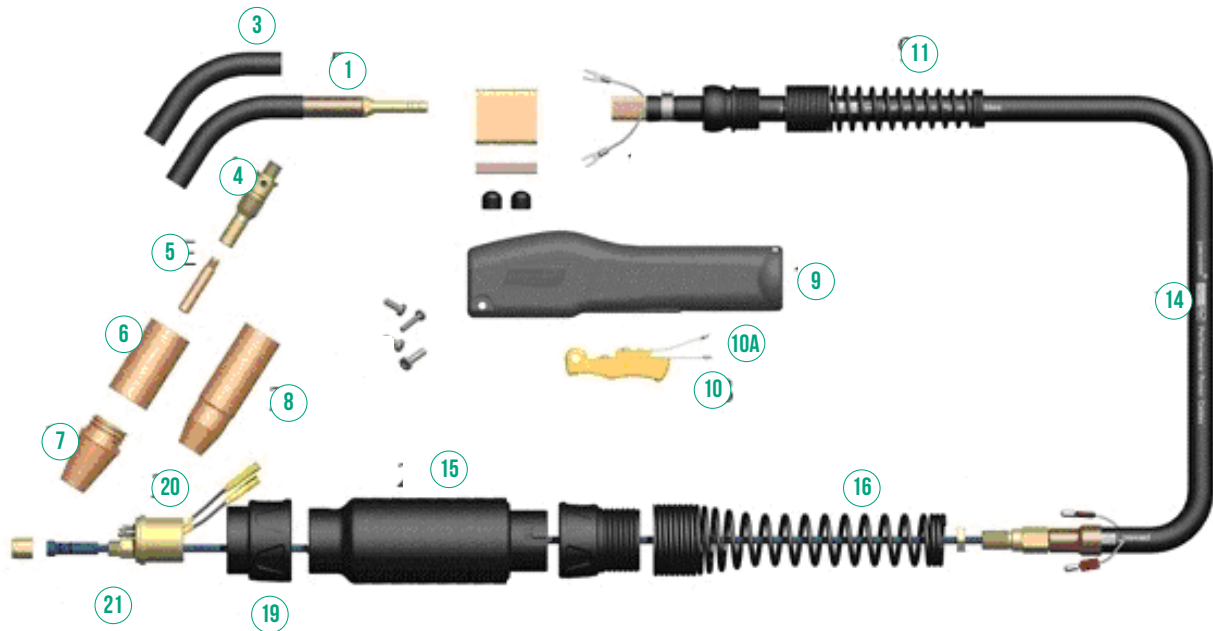
Available with 3 different cables measurements: 10 – 12 – 15 ft

RECOMMENDED USE

Ideal for semi-professional use, for steel, stainless steel and aluminium wires up to 1.6 mm in diameter.

CODE	Description	Weight (kg)	No.Pcs.
9T01430E	TW4 Torch 10 ft. Euro connection	3.60	1
9T01440E	TW4 Torch 12 ft. Euro connection	4.10	1
9T01445E	TW4 Torch 15 ft. Euro connection	4.60	1

TW 4 TORCH SPARE PARTS



CODE	Description	No.	No. Pcs.
9T0164A60C	Complete conductor tube 60° TW4	1	1
9T0174A	Conductor tube insulation TW4	3	1
9T0154A	Gas diffuser TW4	4	10
9T0114H30C	Contact tip ø 0.8 mm	5	20
9T0114H40C	Contact tip ø 1.0 mm	5	20
9T0114H45C	Contact tip ø 1.2 mm	5	20
9T0114H52C	Contact tip ø 1.4 mm	5	20
9T0114H116C	Contact tip ø 1.6 mm	5	20
9T0134CT	Nozzle insul. for CT TW4	6	20
9T0124CT62C	Coarse thread nozzle ø 16 mm	7	10
9T012362	Self insul. Nozzle ø 16 mm	8	10
9T0184	Handle case with screws	9	1
9T0194	Trigger switch with blades	10	1
9T0192C	Switch blades set	10A	1
9T011446S	Cable support TW4 spring	11	1
9T0120410E	Replac. Cable TW4 50 mm ² 10 ft.	14	1
9T0120412E	Replac. Cable TW4 50 mm ² 12 ft.	14	1
9T0120415E	Replac. Cable TW4 50 mm ² 15 ft.	14	1
9TBW159	Connector case	15	1
9TBW195	Small connector case	16	1
9T023004C	Nut for case	19	1
9T023005TW	Euro connector for TW 12x1	20	1
9T01441165WIP	Wip liner ø 1.0/1.6 – 4.5 m	21	1
9T01441167WIP	Wip liner ø 1.0/1.6 – 7.0 m	21	1



And of course, everything you need for TIG welding completes the Oxyturbo welding range.

TIG WELDING

An electric arc welding method in an inert atmosphere. It is the most effective, economical processes for the difficult welding of metals such as: stainless steel, aluminium, beryllium, copper, brass, cast iron, nickel, tantalum, titanium, columbio, mobilden, Evendur, Inconel, Monel alloys and cryogenic welding.

The arc, which is formed between the electrode and the base metal, is protected by gas (argon or helium or a mixture of the two gases) coming out of the gun where the electrode protrudes. The arc is ignited by a pilot spark which, causing ionisation of the protective gas, makes it conductive. For the high melting temperature of tungsten, the electrode does not melt and therefore does not take part in the melting process. The filler metal, present if the thickness of the pieces is higher than 1mm, is added into the electric arc area and will form the welding cord when melted. The entire welding area (arc, electrode, molten metal base, filler metal) is immersed in an inert environment consisting of the protective gas. This fact prevents the oxidation of the welded joint by the atmosphere and also allows the welding of reactive materials.

TIG WELDING APPLICATIONS

The TIG process is particularly suitable when small thicknesses of material, starting from a few tenths of a millimetre, are to be welded. However, it is not possible to weld thicknesses over a few mm (2-3 mm for steels) with a single seam (hence, generally, it is not used to weld thicknesses greater than 5-6 mm). Therefore, considering low productivity, it is often used to make the first seam of a joint, while filling is subsequently carried out with higher productivity processes. Given the characteristics of its procedure, it can be used in any position and can be used for continuous or spot welding. It is not advisable to use this procedure in outdoor locations, as even a moderate wind can cause dispersion of the protective gas.

WP9-WP20 TORCHES

Compact and easy to handle, for all welding needs.



Equipped with a sturdy but lightweight handgrip. The SuperFlex version comes with a switch that can be activated for greater handling and practicality of use. In addition, the first section of the cable is in leather for further protection. Models with flywheels are equipped with a knob for opening and gas flow adjustment.

Available with 3 different cables measurements: 4 or 8 metres.

WP9 TORCHES

Ideal for light carpentry for 0.5 - 1.6 mm diameter tungsten electrodes.

TECHNICAL FEATURES WP9

PROTECTIVE GAS	ARGON
VOLTAGE CLASS	L
COOLING	AIR
WORKING CYCLE	35% 110A DC 35% 95A AC

CODE	Description	Weight (kg)	No.Pcs.
9TWP912RSF	Torch WP9 SuperFlex 4 m M12x1	1.70	1
9TWP925RSF	Torch WP9 SuperFlex 8 m M12x1	2.70	1
9TWP9V12	Torch WP9 with flywheel 4 m M12x1	1.50	1
9TWP9V25	Torch WP9 with flywheel 8 m M12x1	2.50	1

TECHNICAL FEATURES WP20

PROTECTIVE GAS	ARGON
VOLTAGE CLASS	L
COOLING	WATER
WORKING CYCLE	100% 250A DC 100% 220A AC

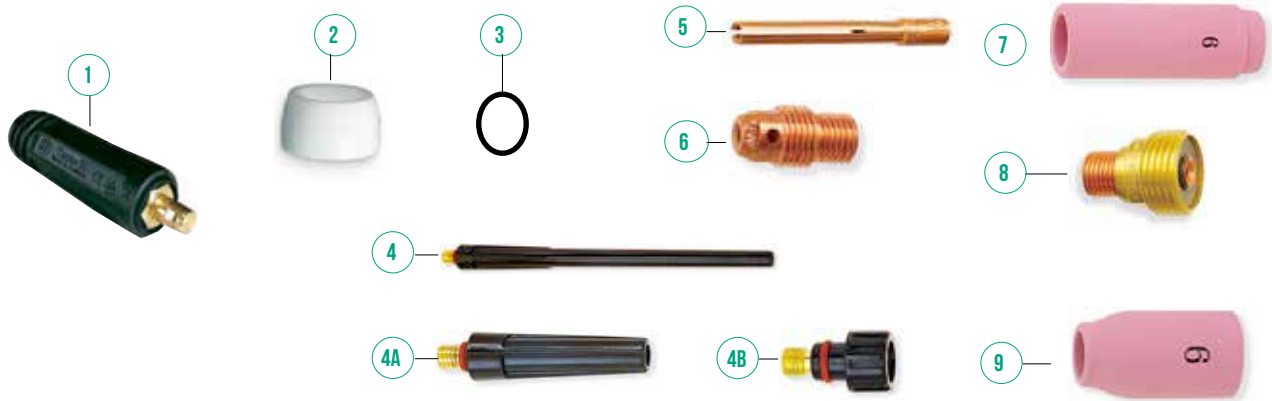
WP20 TORCHES

Ideal for medium carpentry for 0.5 - 3.2 mm diameter tungsten electrodes.

CODE	Description	Weight (kg)	No.Pcs.
9TWP2012RSF	Torch WP20 SuperFlex 4 m M12x1	1.70	1
9TWP2025RSF	Torch WP20 SuperFlex 8 m M12x1	2.70	1

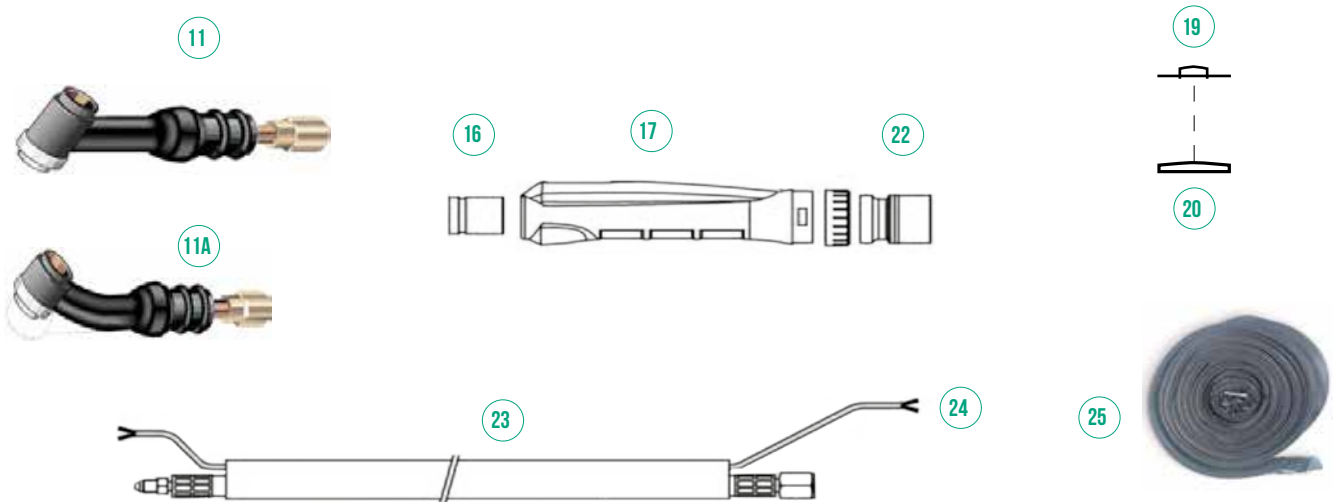


WP9 AND WP20 TORCHES COMMON SPARE PARTS



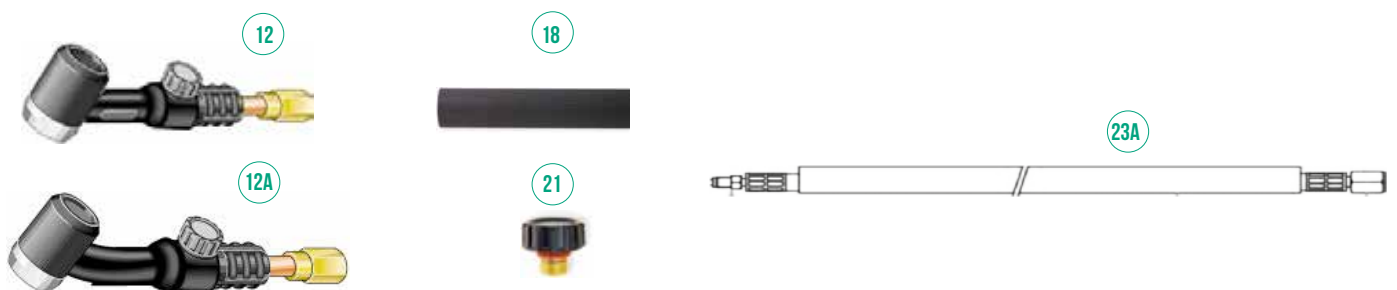
CODE	Description	No.	No. Pcs.
9TTGADS25TR	Tig Dinse 25 mm ² adapter	1	1
9TTGADS50TR	Tig Dinse 50 mm ² adapter	1	1
9T0598882	Heat shield WP9 - WP20	2	1
9T98W77	O-ring for bag cap	3	10
9T41V24	Long back cap	4	1
9T41V35	Medium back cap	4A	1
9T41V33	Short back cap	4B	10
9T13N20	Collet ø 0.5 mm	5	10
9T13N21	Collet ø 1.0 mm	5	10
9T13N22	Collet ø 1.6 mm	5	10
9T70066WT	Collet ø 2.0 mm	5	10
9T13N23	Collet ø 2.4 mm	5	10
9T13N24	Collet ø 3.2 mm	5	10
9T13N25	Collet body ø 0.5mm	6	10
9T13N26	Collet body ø 1.0 mm	6	10
9T13N27	Collet body ø 1.6 mm	6	10
9T70067WT	Collet body ø 2.0 mm	6	10
9T13N28	Collet body ø 2.4 mm	6	10
9T13N29	Collet body ø 3.2 mm	6	10
9T13N08	Ceramic nozzle g 4 ø 6.0 mm	7	10
9T13N09	Ceramic nozzle g 5 ø 8.0 mm	7	10
9T13N10	Ceramic nozzle g 6 ø 9.5 mm	7	10
9T13N11	Ceramic nozzle g 7 ø 11.0 mm	7	10
9T13N12	Ceramic nozzle g 8 ø 12.7 mm	7	10
9T13N13	Ceramic nozzle g 10 ø 17.5 mm	7	10
9T45V42	Collet body gas lens ø 1.0 mm	8	10
9T45V43	Collet body gas lens ø 1.6 mm	8	10
9T70058	Collet body gas lens ø 2.0 mm	8	10
9T45V44	Collet body gas lens ø 2.4 mm	8	10
9T45V45	Collet body gas lens ø 3.2 mm	8	10
9T53N58	Ceramic nozzle gas lens ø 6.0 mm	9	10
9T53N59	Ceramic nozzle gas lens ø 8.0 mm	9	10
9T53N60	Ceramic nozzle gas lens ø 9.5 mm	9	10
9T53N61	Ceramic nozzle gas lens ø 11.0 mm	9	10

WP9 SUPERFLEX TORCH SPECIFIC SPARE PARTS



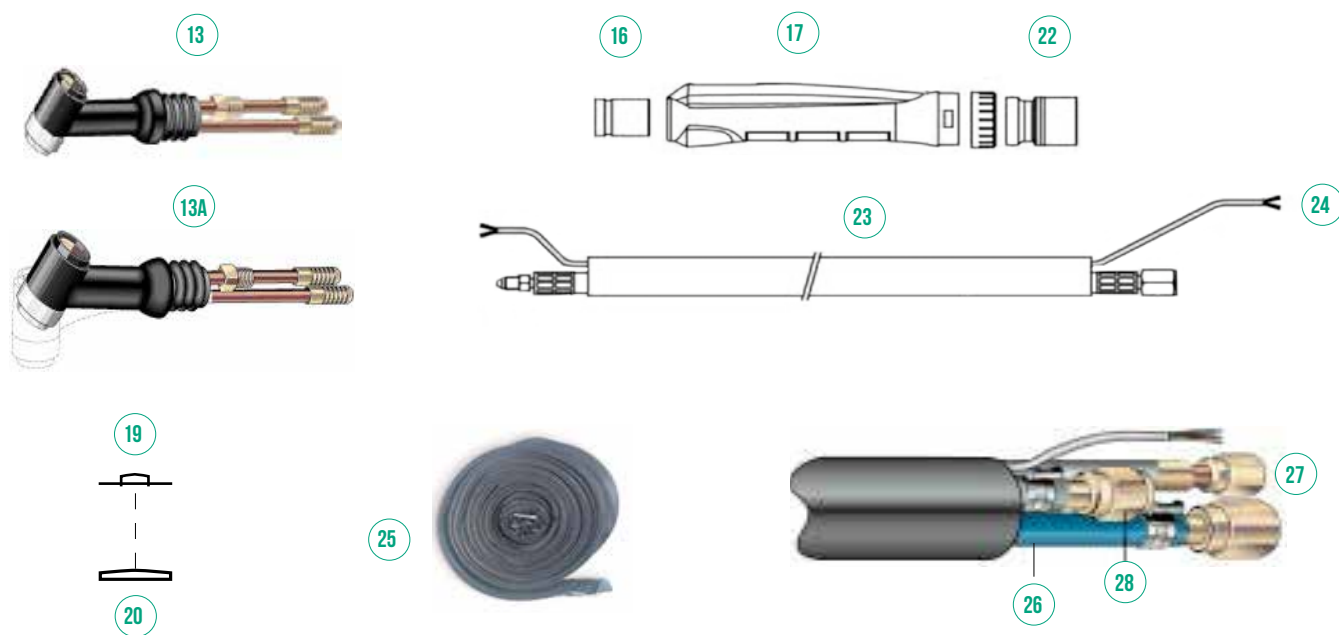
CODE	Description	No.	No. Pcs.
9TWP9	WP9 torch body	11	1
9TWP9F	WP9 flexible torch body	11A	1
9TTG002	Reduction for handle	16	1
9TTP91C	Complete handle	17	1
9TTG004	Switch	19	1
9TTG003	Micro 1 position	20	1
9TTG005	Tip grommet	22	1
9T57Y01R12TR	Overb. rubber p.c. 4 m 3/8"	23	1
9T57Y01R25TR	Overb. rubber p.c. 8 m 3/8"	23	1
9T57Y01R12TR12	Overb. rubber p.c. 4 m 12x1	23	1
9T57Y01R25TR12	Overb. rubber p.c. 8 m 12x1	23	1
9TVACVBP	Control wire	24	100
9TVAGD2325	Rubber sheat 23x25	25	50
9TVAPL26281	Leather sleeve 26x28 0.5 m		1

WP9 TORCH WITH FLYWHEEL SPECIFIC SPARE PARTS



CODE	Description	No.	No. Pcs.
9TWP9V	Torch body with valve	12	1
9TWP9VF	Flexible torch body with valve	12A	1
9TH100	Standard handle	18	1
9TVS-2	Valve for torch body	21	1
9T57Y01R12G03/8	Rubber power cable 4 m 3/8"	23A	1
9T57Y01R25G03/8	Rubber power cable 8 m 3/8"	23A	1
9T57Y01R12G0	Rubber power cable 4 m 12x1	23A	1
9T57Y01R25G0	Rubber power cable 8 m 12x1	23A	1

WP20 SUPERFLEX TORCH SPECIFIC SPARE PARTS



CODE	Description	No.	No.Pcs.
9TWP20	Torch body	13	1
9TWP20F	Flexible torch body	13A	1
9TTG002	Reduction for handle	16	1
9TTP91C	Complete handle	17	1
9TTG004	Switch	19	1
9TTG003	Micro 1 position	20	1
9TTG005	Tip grommet	22	1
9T45V03123/8	Power cable 4 m 3/8"	23	1
9T45V04253/8	Power cable 8 m 3/8"	23	1
9T45V0312	Power cable 4 m 12x1	23	1
9T45V0425	Power cable 8 m 12x1	23	1
9TVACVBP	Control wire	24	100
9TVAGD2826	Rubber sheat 28x26	25	50
9TVAGH46B	O/B blue rubber hose ø 4x6	26	250
9TVAGH46BPVC	O/B blue PVC hose ø 4x6	26	100
9TVAGH46N	O/B black rubber hose ø 4x6	27	250
9TVAGH46NPVC	O/B black PVC hose ø 4x6	27	100
9TVAGH46R	O/B red rubber hose ø 4x6	28	250
9TVAGH46RPVC	O/B red PVC hose ø 4x6	28	100
9TVAPL26281	Leather sleeve 26x28 0.5 m		1

WP17-WP18 WP26 TORCHES

High performance in a small device for highly critical welding.



Accurate testing has made it possible to allow these small torches to operate in small spaces, while maintaining a high level of performance. Thanks to the use of highly conductivity materials, current drops are minimised and very high power is transferred to the arc. The cables have a wear-resistant coating with excellent flexibility, and the first section of SuperFlex version cables are in leather.

The flywheel on the torch body (in the version with flywheel) allows for gas adjustment according to end user needs, permitting significant gas savings.

Available with 2 different cables measurements: 4 or 8 metres.

TECHNICAL FEATURES WP17

PROTECTIVE GAS	ARGON
VOLTAGE CLASS	L
COOLING	AIR
WORKING CYCLE	35% 140A DC 35% 125A AC

TECHNICAL FEATURES WP18

PROTECTIVE GAS	ARGON
VOLTAGE CLASS	L
COOLING	WATER
WORKING CYCLE	100% 320A DC 100% 270A AC

TECHNICAL FEATURES WP26

PROTECTIVE GAS	ARGON
VOLTAGE CLASS	L
COOLING	AIR
WORKING CYCLE	35% 180A DC 35% 150A AC

WP17 TORCHES

Ideal for light carpentry and for small inverter generators, for 0.5 - 2.4 mm diameter tungsten electrodes.

CODE	Description	Weight (kg)	No.Pcs.
9TWP1712RSF	Torch WP17 SuperFlex 4 m M12x1	1.65	1
9TWP1725RSF	Torch WP17 SuperFlex 8 m M12x1	2.65	1
9TWP17V12	Torch WP17 with flywheel 4 m M12x1	1.65	1
9TWP17V25	Torch WP17 with flywheel 8 m M12x1	2.65	1

WP18 TORCHES

Ideal for medium carpentry for 0.5 – 4.0 mm diameter tungsten electrodes.

CODE	Description	Weight (kg)	No.Pcs.
9TWP1812RSF	Torch WP18 SuperFlex 4 m M12x1	2.00	1
9TWP1825RSF	Torch WP18 SuperFlex 8 m M12x1	3.00	1

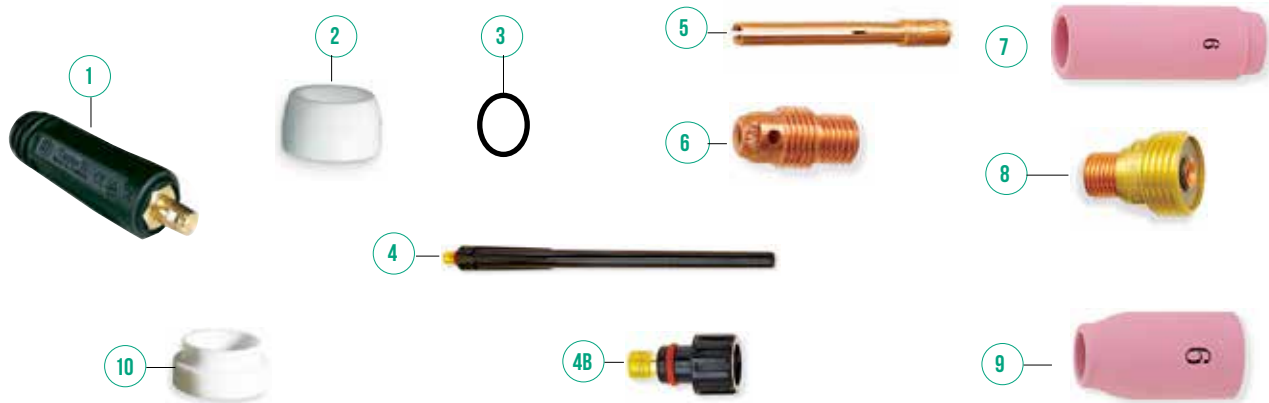
WP26 TORCHES

Ideal for medium carpentry for 0.5 – 4.0 mm diameter tungsten electrodes.

CODE	Description	Weight (kg)	No.Pcs.
9TWP2612RSF	Torch WP26 SuperFlex 4 m M12x1	2.20	1
9TWP2625RSF	Torch WP26 SuperFlex 8 m M12x1	3.20	1
9TWP26V12	Torch WP26 with flywheel 4 m M12x1	2.20	1
9TWP26V25	Torch WP26 with flywheel 8 m M12x1	3.20	1

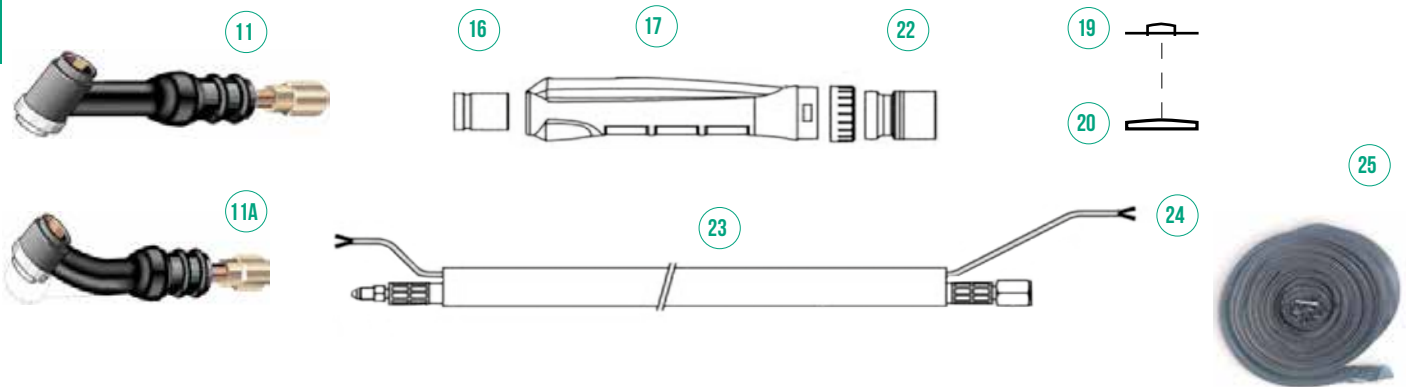


WP17 - WP18 - WP26 TORCHES COMMON SPARE PARTS



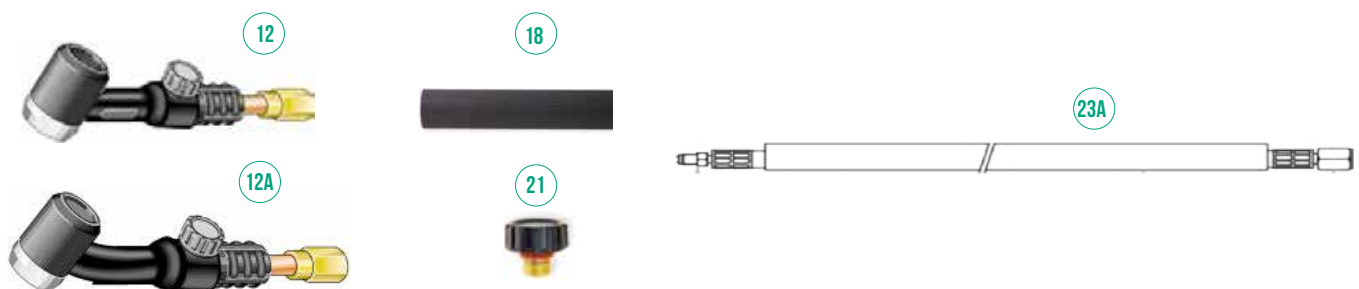
CODE	Description	No.	No. Pcs.
9TTGADS25TR	Tig Dinse 25 mm ² adapter	1	1
9TTGADS50TR	Tig Dinse 50 mm ² adapter	1	1
9T18CG	Heat shield	2	1
9T98W18	O-ring for bag cap	3	10
9T57Y02	Long back cap	4	10
9T57Y04	Short back cap	4B	10
9T10N21	Collet ø 0.5 mm	5	10
9T10N22	Collet ø 1.0 mm	5	10
9T10N23	Collet ø 1.6 mm	5	10
9T70062WT	Collet ø 2.0 mm	5	10
9T10N24	Collet ø 2.4 mm	5	10
9T10N25	Collet ø 3.2 mm	5	10
9T54N20	Collet ø 4.0 mm	5	10
9T10N29	Collet body ø 0.5 mm	6	10
9T10N30	Collet body ø 1.0 mm	6	10
9T10N31	Collet body ø 1.6 mm	6	10
9T70064WT	Collet body ø 2.0 mm	6	10
9T10N32	Collet body ø 2.4 mm	6	10
9T10N28	Collet body ø 3.2 mm	6	10
9T406488	Collet body ø 4.0 mm	6	10
9T10N49	Ceramic nozzle g 5 ø 8.0 mm	7	10
9T10N48	Ceramic nozzle g 6 ø 9.5 mm	7	10
9T10N47	Ceramic nozzle g 7 ø 11.5 mm	7	10
9T10N46	Ceramic nozzle g 8 ø 12.7 mm	7	10
9T10N45	Ceramic nozzle g 10 ø 17.5 mm	7	10
9T10N44	Ceramic nozzle g 12 ø 19.0 mm	7	10
9T45V24	Collet body gas lens ø 1.0 mm	8	10
9T45V25	Collet body gas lens ø 1.6 mm	8	10
9T70060WT	Collet body gas lens ø 2.0 mm	8	10
9T45V26	Collet body gas lens ø 2.4 mm	8	10
9T45V27	Collet body gas lens ø 3.2 mm	8	10
9T45V28	Collet body gas lens ø 4.0 mm	8	10
9T54N18	Ceramic nozzle gas lens g 4 ø 6.0 mm	9	10
9T54N17	Ceramic nozzle gas lens g 5 ø 8.0 mm	9	10
9T54N16	Ceramic nozzle gas lens g 6 ø 9.5 mm	9	10
9T54N15	Ceramic nozzle gas lens g 7 ø 11.0 mm	9	10
9T54N14	Ceramic nozzle gas lens g 8 ø 12.5 mm	9	10
9T54N19	Ceramic nozzle gas lens g 11 ø 17.5 mm	9	10
9T54N01	Heat shield gas lens	10	10

WP17 SUPERFLEX TORCH SPECIFIC SPARE PARTS



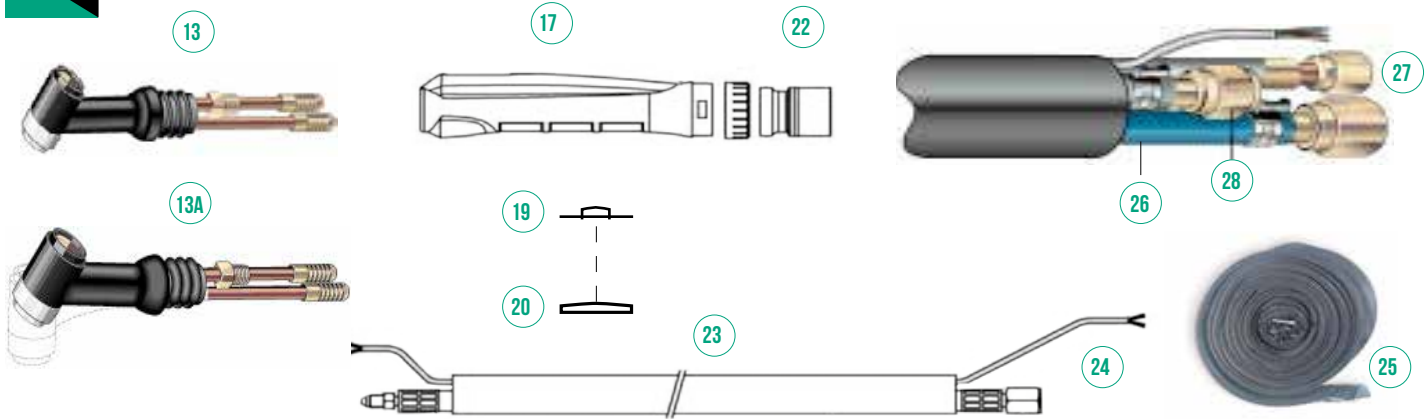
CODE	Description	No.	No. Pcs.
9TWP17	WP17 torch body	11	1
9TWP17F	WP17 flexible torch body	11A	1
9TTG002	Reduction for handle	16	1
9TTP91C	Complete handle	17	1
9TTG004	Switch	19	1
9TTG003	Micro 1 position	20	1
9TTG005	Tip grommet	22	1
9T57Y01R12TR	Overb. rubber p.c. 4 m 3/8"	23	1
9T57Y01R25TR	Overb. rubber p.c. 8 m 3/8"	23	1
9T57Y01R12TR12	Overb. rubber p.c. 4 m 12x1	23	1
9T57Y01R25TR12	Overb. rubber p.c. 8 m 12x1	23	1
9TVACVBP	Control wire	24	100
9TVAGD2826	Rubber sheat 28x26	25	50
9TVAPL26281	Leather sleeve 26x28 0.5 m		1

WP17 TORCH WITH FLYWHEEL SPECIFIC SPARE PARTS



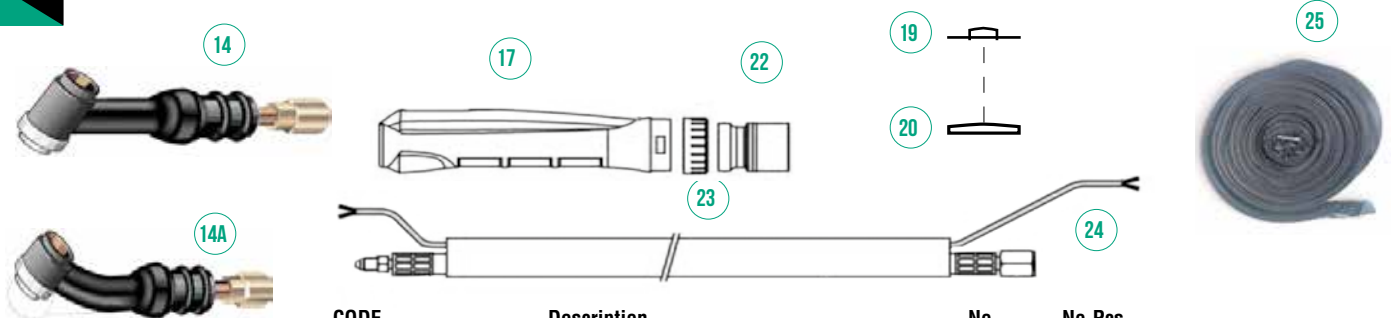
CODE	Description	No.	No. Pcs.
9TWP17V	Torch body with flywheel	12	1
9TWP17VF	Flexible torch body with flywheel	12A	1
9TH100	Standard handle	18	1
9TVS-2	Flywheel for torch body	21	1
9T57Y01R12G03/8	Rubber power cable 4 m 3/8"	23A	1
9T57Y01R25G03/8	Rubber power cable 8 m 3/8"	23A	1
9T57Y01R12G0	Rubber power cable 4 m 12x1	23A	1
9T57Y01R25G0	Rubber power cable 8 m 12x1	23A	1

WP18 SUPERFLEX TORCH SPECIFIC SPARE PARTS



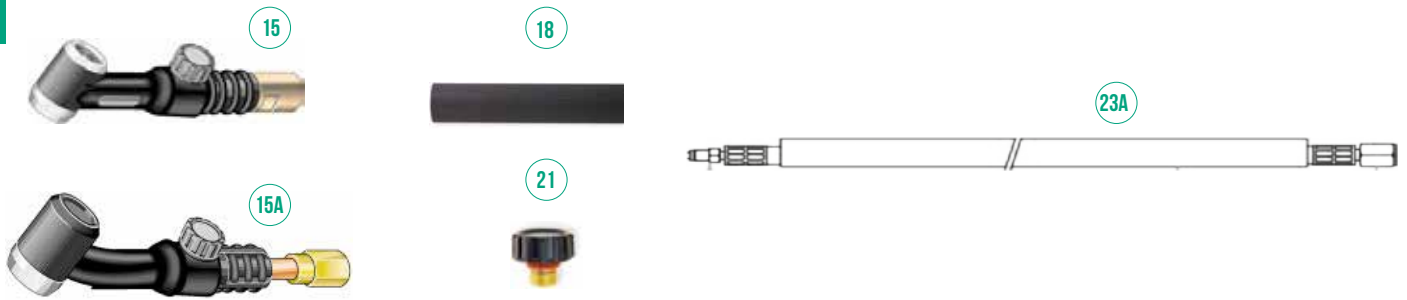
CODE	Description	No.	No.Pcs.
9TWP18	Torch body	13	1
9TWP18F	Flexible torch body	13A	1
9TTG001	Complete handle	17	1
9TTG004	Switch	19	1
9TTG003	Micro 1 position	20	1
9TTG005	Tip grommet	22	1
9T40V64123/8	Power cable 4 m 3/8"	23	1
9T41V29253/8	Power cable 8 m 3/8"	23	1
9T40V6412	Power cable 4 m 12x1	23	1
9T41V2925	Power cable 8 m 12x1	23	1
9TVACVBP	Control wire	24	100
9TVAGD2826	Rubber sheat 28x26	25	50
9TVAGH58B	O/B blue rubber hose ø 5x8	26	250
9TVAGH58BPVC	O/B blue PVC hose ø 5x8	26	100
9TVAGH58N	O/B black rubber hose ø 5x8	27	250
9TVAGH58NPVC	O/B black PVC hose ø 5x8	27	100
9TVAGH58R	O/B red rubber hose ø 5x8	28	250
9TVAGH58RPVC	O/B red PVC hose ø 5x8	28	100
9TVAPL26281	Leather sleeve 26x28 0.5 m		1

WP26 SUPERFLEX TORCH SPECIFIC SPARE PARTS



CODE	Description	No.	No.Pcs.
9TWP26	Torch body	14	1
9TWP26F	Flexible torch body	14A	1
9TTG001	Complete handle	17	1
9TTG004	Switch	19	1
9TTG003	Micro 1 position	20	1
9TTG005	Tip grommet	22	1
9T46V28R12TR 3/8	Power cable 4 m 3/8"	23	1
9T46V30R25TR 3/8	Power cable 8 m 3/8"	23	1
9T46V28R12TR	Power cable 4 m 12x1	23	1
9T46V30R25TR	Power cable 8 m 12x1	23	1
9TVACVBP	Control wire	24	100
9TVAGD2826	Rubber sheat 28x26	25	50
9TVAPL26281	Leather sleeve 26x28 0.5 m		1

WP26 TORCH WITH FLYWHEEL SPECIFIC SPARE PARTS



CODE	Description	No.	No. Pcs.
9TWP26V	Torch body with flywheel	15	1
9TWP26VF	Flexible torch body with flywheel	15A	1
9TH200	Standard handle	18	1
9TVS-2	Flywheel for torch body	21	1
9T46V28R12G03/8	Rubber power cable 4 m 3/8"	23A	1
9T46V30R25G03/8	Rubber power cable 8 m 3/8"	23A	1
9T46V28R12GO	Rubber power cable 4 m 12x1	23A	1
9T46V30R25GO	Rubber power cable 8 m 12x1	23A	1



TUNGSTEN ELECTRODES

ACCORDING
TO ANSI/AWS 5.12-98
ISO 6848 - 2004 E

A complete range for TIG welding

Tungsten electrodes are used in arc welding with inert gas and tungsten (TIG). Tungsten is used at very high temperatures as it resists melting and degrades very little (if working in a controlled atmosphere with inert gases as is usually the case).

The electrodes are made by sintering powders and subsequent forging.

Tungsten electrodes for TIG generally contain small quantities of metal oxides which ensure benefits of materials such as:

- Facilitated start of the current transient
- Improved arc stability
- Increased current of the rod
- Reduced risk of contaminating the base surface
- Increased life of the electrode

Each pack contains 10 electrodes.

The most used electrodes for the TIG welding process are as follows:

- Pure tungsten electrodes
- Thoriated tungsten electrodes
- Cerium tungsten electrodes
- 1.5% or 2% Lanthanum tungsten electrodes
- Universal tungsten electrodes

The table below may be helpful in choosing the most suitable electrode for your needs.

Tipo	Metal		Arc stability	Ignition	Duration	Heat resistance
	Light alloys	Steel and stainless steel				
Pure tungsten	*		**	*	*	*
Thoriated tungsten		*	*	***	**	**
Cerium tungsten		*	**	*	**	**
Lanthanum tungsten	*	*	**	***	***	***

***excellent ** good * average

PURE TUNGSTEN ELECTRODE WP 00 COLOUR: GREEN

Good electric arc stability in AC soldering. Can also be applied with DC power for small power source. Particularly suitable for welding light metals and light metal alloys. Specifically, for welding aluminium.



CODE	Description	No. Pcs.
9EWP0016	Pure tungsten electrodes Ø 1.6mm	10
9EWP0020	Pure tungsten electrodes Ø 2.0mm	10
9EWP0024	Pure tungsten electrodes Ø 2.4mm	10
9EWP0032	Pure tungsten electrodes Ø 3.2mm	10
9EWP0040	Pure tungsten electrodes Ø 4.0mm	10

THORIATED TUNGSTEN ELECTRODE WT 20 COLOUR: RED

These electrodes contain 2% thorium and are the most used in the world for their excellent welding performance. Specific for welding stainless steel. They require a good suction system as it's vapours or dusts are harmful if inhaled, especially when sharpening. Since this material in certain conditions contains radioactive elements, even below the tolerance thresholds allowed, this electrode is only supplied upon request.



CODE	Description	No. Pcs.
9EWT2010	Thoriated tungsten electrodes Ø 1.0mm	10
9EWT2016	Thoriated tungsten electrodes Ø 1.6mm	10
9EWT2020	Thoriated tungsten electrodes Ø 2.0mm	10
9EWT2024	Thoriated tungsten electrodes Ø 2.4mm	10
9EWT2032	Thoriated tungsten electrodes Ø 3.2mm	10
9EWT2040	Thoriated tungsten electrodes Ø 4.0mm	10

2% CERIUM TUNGSTEN ELECTRODE WC 20

COLOUR: GREY

First generation environmentally safe electrode. Used to replace thoriated electrodes to work around even minimal problems, due to the presence of thorium oxide. Good ignition and optimal duration. Specific for welding aluminium and stainless steel.



CODE	Description	No.Pcs.
9EWC2010	Cerium tungsten electrodes Ø 1.0mm	10
9EWC2016	Cerium tungsten electrodes Ø 1.6mm	10
9EWC2020	Cerium tungsten electrodes Ø 2.0mm	10
9EWC2024	Cerium tungsten electrodes Ø 2.4mm	10
9EWC2032	Cerium tungsten electrodes Ø 3.2mm	10
9EWC2040	Cerium tungsten electrodes Ø 4.0mm	10

2% LANTHANUM TUNGSTEN ELECTRODE WL 20

COLOUR: BLUE

Environmentally safe electrode ideal for replacing, with greater durability, thoriated electrodes in automated systems that weld stainless steels with DC power. During use, it is best to keep the nozzle clean without altering its geometry. **Not radioactive.**



CODE	Description	No.Pcs.
9EWL2016	2% Lanthanum tungsten electrodes Ø 1.6mm	10
9EWL2020	2% Lanthanum tungsten electrodes Ø 2.0mm	10
9EWL2024	2% Lanthanum tungsten electrodes Ø 2.4mm	10
9EWL2032	2% Lanthanum tungsten electrodes Ø 3.2mm	10
9EWL2040	2% Lanthanum tungsten electrodes Ø 4.0mm	10

1.5% LANTHANUM TUNGSTEN ELECTRODE WL 15

COLOUR: GOLD

Good electric arc stability in AC/DC soldering, unlike thoriated 2% which is only used with DC. It has a long duration and can also be used with higher current than normal electrodes. Great performance with low currents. Particularly suitable for spot welding. Recommended for carbon and stainless steels, aluminium, magnesium, titanium, nickel and copper alloys. **Not radioactive.**



CODE	Description	No.Pcs.
9EWL1510	1.5% Lanthanum tungsten electrodes Ø 1.0mm	10
9EWL1516	1.5% Lanthanum tungsten electrodes Ø 1.6mm	10
9EWL1520	1.5% Lanthanum tungsten electrodes Ø 2.0mm	10
9EWL1524	1.5% Lanthanum tungsten electrodes Ø 2.4mm	10
9EWL1532	1.5% Lanthanum tungsten electrodes Ø 3.2mm	10
9EWL1540	1.5% Lanthanum tungsten electrodes Ø 4.0mm	10

UNIVERSAL TUNGSTEN ELECTRODE WTR 20

COLOUR: TURQUOISE

Universal use electrode. Provides excellent performance both in DC and AC soldering. Good arc stability at 500 Ampere. The most common among thorium-free electrodes. Recommended for the welding of aluminium and light alloys, together with stainless steel.



CODE	Description	No.Pcs.
9EWU0016	Universal tungsten electrodes Ø 1.6mm	10
9EWU0024	Universal tungsten electrodes Ø 2.4mm	10
9EWU0032	Universal tungsten electrodes Ø 3.2mm	10



MANUAL PLASMA TORCHES

For years, this has been a widespread and appreciated technology within the industry. A jet of plasma gas melts material in the cutting area and removes it, leaving a well-cut line. Through its special nozzle, the torch dispenses an inert gas. Through this gas, an electric arc is formed between an electrode and the material in the process of being cut. The electric arc transforms gas into plasma. The very high plasma temperatures (approximately 10,000°C) bring the material to be cut to the melting temperature, the molten metal is evacuated from the melting groove and cutting is carried out. There are then several methods for cutting the plasma: the choice is based on a variety of factors, such as the degree of precision of the cut and its mechanical or manual implementation. Beside conventional cutting, we can remember dual gas systems, with water and precision screen.

Plasma is considered the fourth state of material. It is a highly ionised gas and is an excellent electrical conductor. The reproducibility of plasma in an industrial and repetitive way is carried out through a device called a torch.

PLASMA CUTTING, UNDENIABLE BENEFITS:

- **Considerable cutting speed**
- **High precision at edges**
- **Good cost-benefit ratio**
- **Multiple applications**

Plasma cutting is in fact suitable for all electrical conductive materials.

PLASMA ARC USES

Thanks to plasma cutting it is possible to cut both thin sheets and considerable thicknesses. There are many plasma cutting applications in the industrial sector. The cutting of stainless steel, carbon steel and aluminium sheets of different thicknesses is particularly used in the transport industry as well as in the refrigeration and air conditioning field.

The ability to cut very thick slabs is especially valuable in the naval industry, but also for the creation and machining of pressure vessels, as well as earth moving vehicles. Plasma cutting effectively lends itself to the contoured cutting of tubes and other cylindrical materials, for the creation of grooves and inclined cuts, as well as for bending, perforation and gouging processes.

CB50-CB50 ERGO TORCHES

Plasma torches: for the most demanding operators.



TECHNICAL FEATURES

SAFETY SYSTEM	Electrical
IGNITION	With pilot and HF arc
CUTTING CURRENT	50A – 60% working cycle
SUPPLIED GAS	Clean, dry air at 4.5 bar - 120 L/min
FLOW TIME	40 sec.

A lightweight, easy to handle torch. The CB50 model stands out from the CB50 ERGO model because of the position of its ignition button. In the former, it is located at the top of the handgrip protected by an edge that prevents accidental ignition; in the latter, it is located at the bottom of the handgrip for greater ergonomics.

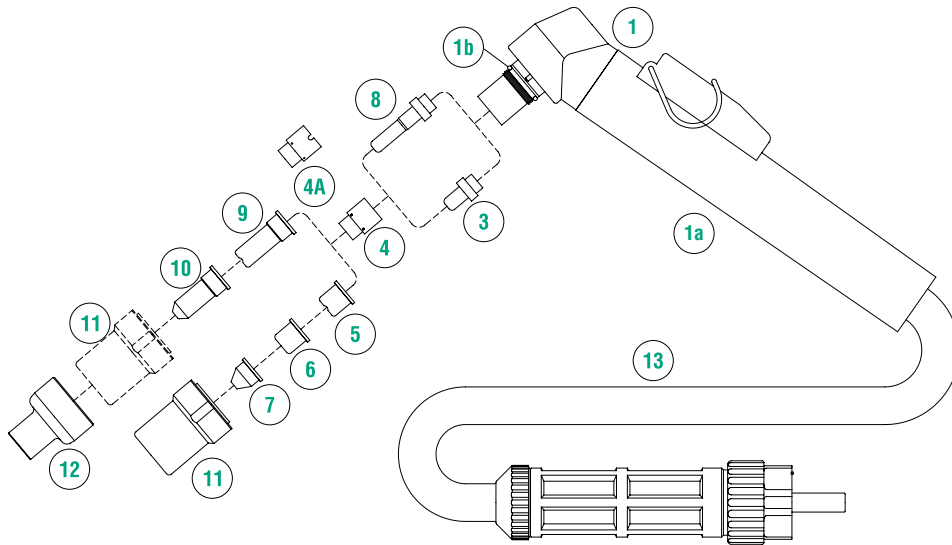
Available with 2 different connections (1/8" and centralised) and with 2 different cable lengths: 6 or 12 metres.

RECOMMENDED USE

Ideal for cutting thin sheets in light metallurgy.

CODE	Description	Connection	Length=m	Weight (Kg)	No.Pcs.
9P03050/C	TORCH CB50	1/8"	6	2.50	1
9P03051/C	TORCH CB50	Centralised	6	2.50	1
9P03050LTS	TORCH CB50 ERGO	1/8"	6	2.70	1
9P03051LTS	TORCH CB50 ERGO	Centralised	6	2.70	1
9P03150/C	TORCH CB50	1/8"	12	4.00	1
9P03151/C	TORCH CB50	Centralised	12	4.00	1
9P03150LTS	TORCH CB50 ERGO	1/8"	12	4.20	1
9P03151LTS	TORCH CB50 ERGO	Centralised	12	4.20	1

CB50 AND CB50 ERGO TORCHES COMMON SPARE PARTS



CODE	Description	No.	No.Pcs.
9P01000.60	O-RING	1B	20
9P52512/L	ELECTRODE	3	10
9P60001	SWIRL RING	4	10
9P60002	SWIRL RING WITH NOTCHES	4A	10
9P51100	TIP \varnothing 1.0 mm	5	10
9P51095	TIP LONG LIFE \varnothing 1.0 mm	5	10
9P51100/S	TIP LONG LIFE \varnothing 1.1 mm	5	10
9P51099	FLAT TIP \varnothing 1.0 mm	6	10
9P51098	CONICAL TIP \varnothing 1.0 mm – LOW AMPERAGE	7	10
9P52513/L	EXTENDED ELECTRODE	8	10
9P51102	EXTENDED TIP \varnothing 1.0 mm	9	10
9P51095/L	EXTENDED TIP LONG LIFE \varnothing 1.0 mm	9	10
9P51102/S	EXTENDED TIP LONG LIFE \varnothing 1.1 mm	9	10
9P51101	EXTENDED CONICAL TIP \varnothing 1.0 mm LOW AMPERAGE	10	10
9P60320	RETAINING CAP	11	1
9P51965	SHIELD CAP, HAND, EXTENDED TIPS	12	10
9P03240	RUBBER CABLE 1/8" 6 m	13	1
9P03250	RUBBER CABLE 1/8" 12 m	13	1

CB50 TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P01000	HAND TORCH HEAD	1	1
9P03280/C	HANDGRIP WITH MICRO SWITCH	1A	1

CB50 ERGO TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P01001/KIT	TORCH HEAD WITH HANDLE	1A	1
9P01001	TORCH HEAD	1	1
9P09606	HANDGRIP WITH SWITCH		1
9P07301.20	SWITCH		1

CB70-CB70 ERGO TORCHES

Technological, versatile torches



TECHNICAL FEATURES

SAFETY SYSTEM	Electrical
IGNITION	With pilot and HF arc
CUTTING CURRENT	70A – 40% working cycle
SUPPLIED GAS	Clean, dry air at 4.5 bar - 120 L/min
FLOW TIME	40 sec. recommended

A very versatile torch for its machining speed and wide range of materials with which it can be used. The temperature reached by the jet are such as to cause the metal to melt, cutting it. The ERGO model stands out for the increased ergonomics of its handgrip.

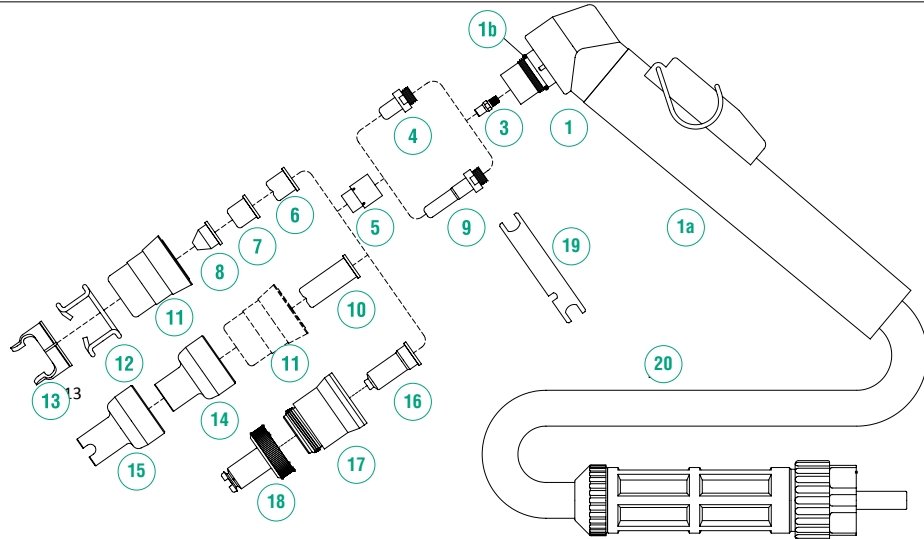
Available with 2 different connections (1/8" and centralised) and with 2 different cable lengths: 6 or 12 metres.

RECOMMENDED USE

Ideal in the field of metallurgy for steel and stainless steel sheets.

CODE	Description	Connection	Length=m	Weight (Kg)	No.Pcs.
9P03070/CS	TORCH CB70	1/8"	6	2.80	1
9P03071/CS	TORCH CB70	Centralised	6	2.80	1
9P03070LTS	TORCH CB70 ERGO	1/8"	6	2.50	1
9P03071LTS	TORCH CB70 ERGO	Centralised	6	2.50	1
9P03171/CS	TORCH CB70	Centralised	12	4.30	1
9P03170LTS	TORCH CB70 ERGO	1/8"	12	4.00	1
9P03171LTS	TORCH CB70 ERGO	Centralised	12	4.00	1

CB70 AND CB70 ERGO TORCHES COMMON SPARE PARTS



CODE	Description	No.	No.Pcs.
9P01000.60	O-RING	1B	20
9P01070.42	DIFFUSOR	3	1
9P52551	ELECTRODE	4	10
9P60001	SWIRL RING	5	10
9P51100.09	TIP \varnothing 0.9 mm - 35A	6	10
9P51100.12	TIP \varnothing 1.2 mm - 70A	6	10
9P51095	TIP LONG LIFE \varnothing 1.0 mm - 50A	6	10
9P51100/S	TIP LONG LIFE \varnothing 1.1 mm - 60A	6	10
9P51096	TIP LONG LIFE \varnothing 1.2 mm - 70A	6	10
9P51099	FLAT TIP \varnothing 1.0 mm	7	10
9P51099.12	FLAT TIP \varnothing 1.2 mm	7	10
9P51098	CONICAL TIP \varnothing 1.0 mm - LOW AMPERAGE	8	10
9P51098.12	CONICAL TIP \varnothing 1.2 mm	8	10
9P52553	EXTENDED ELECTRODE	9	10
9P51102.09	EXTENDED TIP \varnothing 0.9 mm - 35A	10	10
9P51095/L	EXTENDED TIP LONG LIFE \varnothing 1.0 mm - 50A	10	10
9P51102/S	EXTENDED TIP LONG LIFE \varnothing 1.1 mm - 60A	10	10
9P51096/L	EXTENDED TIP LONG LIFE \varnothing 1.2 mm - 70A	10	10
9P60321	RETAINING CAP	11	1
9P51901	SPACER SPRING	12	1
9P60363	DOUBLE POINTED SPACER	13	1
9P51970	SHIELD CUP HAND (EXTENDED TIPS)	14	1
9P51971	SPACER, CONTACT CUTTING (EXTENDED TIPS)	15	1
9P51097.10	EXTENDED TIP, 50A, SHIELDED	16	10
9P51097.11	EXTENDED TIP, 60A, SHIELDED	16	10
9P51097.12	EXTENDED TIP, 70A, SHIELDED	16	10
9P60321C	SHIELD CAP BODY CW	17	2
9P60503L	EXTENDED SHIELD CAP 50A - 70A	18	1
9P60368	WRENCH FOR ELECTRODE	19	1
9P03240/S	TEXTILE COVER CABLE 1/8" 6 m	20	1
9P03250/S	TEXTILE COVER CABLE 1/8" 12 m	20	1

CB70 TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P01070	HAND TORCH HEAD	1	1
9P04280/C	HANDGRIP WITH MICROSWITCH	1A	1

CB70 ERGO TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P01071/KIT	TORCH HEAD WITH HANDLE	1A	1
9P01071	TORCH HEAD	1	1
9P09606	HANDGRIP WITH SWITCH		1

CB90-CB90 ERGO TORCHES

A thin, rigid and stable jet with high specific power.



TECHNICAL FEATURES

SAFETY SYSTEM	Electrical
IGNITION	With pilot and HF arc
CUTTING CURRENT	90 – 60% working cycle
SUPPLIED GAS	Clean, dry air at 4.5 bar - 200 L/min
FLOW TIME	60 sec. recommended

The high temperatures reached by its jet make plasma cutting one of the most functional and used systems for sheet metal and metals in general. Its small overall size and weight make this torch very easy to handle, especially with the ERGO version with ergonomic handgrip and the ignition button located at the bottom.

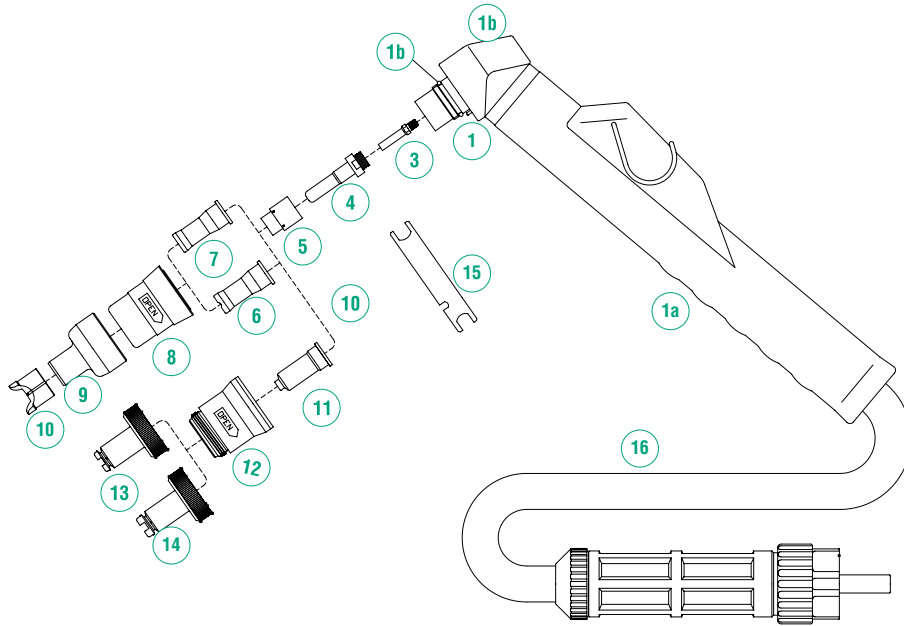
Available with 2 different connections (1/8" and centralised) and with 2 different cable lengths: 6 or 12 metres. Packs of spare cables have 1/8" connection but are prepared for centralised connection.

RECOMMENDED USE

Ideal for cutting carbon steel plates up to 50 mm.

CODE	Description	Connection	Length=m	Weight (Kg)	No.Pcs.
9P03090/CS	TORCH CB90	1/8"	6	2.70	1
9P03091/CS	TORCH CB90	Centralised	6	2.70	1
9P03090LTS	TORCH CB90 ERGO	1/8"	6	2.60	1
9P03091LTS	TORCH CB90 ERGO	Centralised	6	2.60	1
9P03191/CS	TORCH CB90	Centralised	12	4.20	1
9P03191LTS	TORCH CB90 ERGO	Centralised	12	4.10	1

CB90 AND CB90 ERGO TORCHES COMMON SPARE PARTS



CODE	Description	No.	No.Pcs.
9P01000.60	O-RING	1B	20
9P01090.42	DIFFUSOR	3	1
9P52553	ELECTRODE	4	10
9P60001	SWIRL RING	5	10
9P51090	TIP LONG LIFE \varnothing 1.0mm 20A - 50A	6	10
9P51092	TIP LONG LIFE \varnothing 1.2mm 50A - 70A	7	10
9P51093	TIP LONG LIFE \varnothing 1.3mm 70A - 90A	7	10
9P60322	RETAINING CAP (ONLY FOR X ART. No. 6/7)	8	1
9P51972	SHIELD CAP HAND	9	1
9P51973	SPACER FOR CONTACT CUTTING, HAND	10	1
9P51097.10	EXTENDED TIP 50A SHIELDED	11	10
9P51097.11	EXTENDED TIP 60A SHIELDED	11	10
9P51097.12	EXTENDED TIP 70A SHIELDED	11	10
9P51097.13	EXTENDED TIP 90A - 100A SHIELDED	11	10
9P60322C	SHIELD CAP BODY CCW	12	1
9P60503L	EXTENDED SHIELD CAP 50A - 70A	13	1
9P60504L	EXTENDED SHIELD CAP 80A - 100A	14	1
9P60368	WRENCH FOR ELECTRODE	15	1
9P03093/S	TEXTILE COVER CABLE 1/8" 6 m	16	1
9P03193/S	TEXTILE COVER CABLE 1/8" 12 m	16	1

CB90 TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P01090	HAND TORCH HEAD	1A	1
9P04280/C	HANDGRIP WITH MICROSWITCH		1

CB90 ERGO TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P01091/KIT	TORCH HEAD WITH HANDLE	1A	1
9P01091	TORCH HEAD	1	1
9P09606	HANDGRIP WITH SWITCH		1

CB150-CB150 ERGO TORCHES

Professional torches that offer great value for money.



TECHNICAL FEATURES

SAFETY SYSTEM	Electrical
IGNITION	With pilot and HF arc
CUTTING CURRENT	150A – 60% working cycle
SUPPLIED GAS	Clean, dry air at 4.5 bar - 200 L/min
FLOW TIME	90 sec. recommended

The largest of its family, but can be easily handled by operators. Primarily intended for professional use for conventional plasma cutting using a single gas (air) that cools and produces plasma. The CB150 model stands out from the CB150 ERGO model for the position of its ignition button. In the former, it is located at the top of the handgrip protected by an edge that prevents accidental ignition; in the latter, it is located at the bottom of the handgrip.

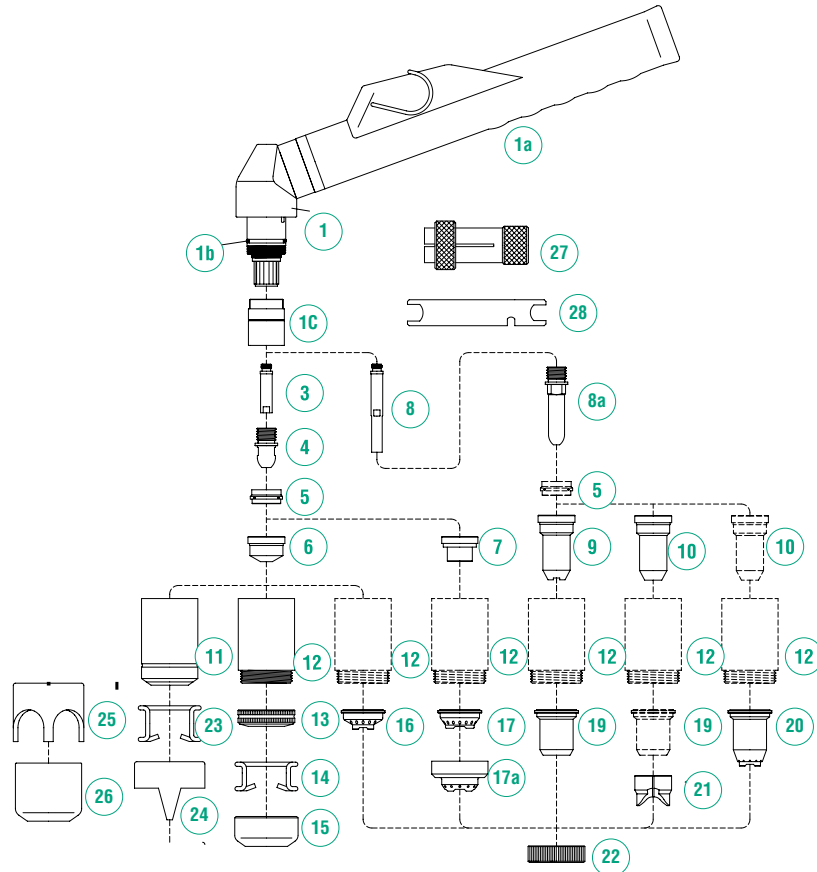
Available with 2 different connections (1/8" and centralised) and with 2 different cable lengths: 6 or 12 metres.

RECOMMENDED USE

Ideal for cutting materials with a thickness of up to 160 mm.

CODE	Description	Connection	Length=m	Weight (Kg)	No.Pcs.
9P04050/CS	TORCH CB150	1/8"	6	3.40	1
9P04051/CS	TORCH CB150	Centralised	6	3.40	1
9P04050LTS	TORCH CB150 ERGO	1/8"	6	3.30	1
9P04051LTS	TORCH CB150 ERGO	Centralised	6	3.30	1
9P04151/CS	TORCH CB150	Centralised	12	4.90	1
9P04150LTS	TORCH CB150 ERGO	1/8"	12	4.80	1
9P04151LTS	TORCH CB150 ERGO	Centralised	12	4.80	1

CB150 AND CB150 ERGO TORCHES COMMON SPARE PARTS



CODE	Description	No.	No.Pcs.
9P02000.60	O-RING	1B	20
9P60080	FRONT INSULATOR	1C	1
9P05004	DIFFUSOR	3	1
9P52540	ELECTRODE	4	10
9P60020	SWIRL RING	5	10
9P51140/S	TIP LONG LIFE \varnothing 1.0mm	6	10
9P51141/S	TIP LONG LIFE \varnothing 1.35mm	6	10
9P51142/S	TIP LONG LIFE \varnothing 1.6mm	6	10
9P51143/S	TIP LONG LIFE \varnothing 1.8mm	6	10
9P51144	GOUGING SPACER \varnothing 3.0mm	6	10
9P51410	CONTACT TIP \varnothing 1.35mm	7	10
9P51411	CONTACT TIP \varnothing 1.6mm	7	10
9P51412	CONTACT TIP \varnothing 1.8mm	7	10
9P05005	EXTENDED DIFFUSOR	8	1
9P52549	EXTENDED ELECTRODE	8A	10
9P51148	EXTENDED TIP (MAX 50A)	9	1
9P51148.13	EXTENDED TIP \varnothing 1.35mm - 90A	10	10
9P51148.16	EXTENDED TIP \varnothing 1.6mm - 120A	10	10
9P51148.18	EXTENDED TIP \varnothing 1.8mm - 150A	10	10
9P60330	RETAINING CAP	11	1
9P60350	CONTACT RETAINING CAP	12	1
9P60350/V	CONTACT RETAINING CAP MAX LIFE	12	1
9P51952	SPRING HOLDER PROTECTION NUT	13	1
9P51911	SPACER SPRING	14	1
9P51953	GOUGING SPACER	15	1
9P51950	SPACER FOR CONTACT CUTTING, HAND	16	10
9P51930	SPACER FOR CONTACT CUTTING, HAND	17A	10
9P51920	SPACER FOR CONTACT CUTTING, HAND	17	10

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CODE	Description	No.	No.Pcs.
9P51957	SHIELD CUP HAND (MAX 50A)	19	1
9P51958	SPACER FOR CONTACT CUTTING, HAND	20	1
9P51974	SPACER FOR EXTENDED TIPS, HIGH AMPERAGE	21	1
9P51959	LOCKING NUT	22	1
9P51910	SPACER SPRING	23	1
9P60370	DOUBLE POINTED SPACER	24	1
9P60371	CROWN SPACER	25	1
9P60373	GOUGING SPACER	26	1
9P60369	EXTRACTOR FPR SWIRL RING	27	1
9P60368	WRENCH FOR ELECTRODE	28	1
9P04240/S	TEXTILE COVER CABLE 1/8" 6 m		1
9P04250/S	TEXTILE COVER CABLE 1/8" 12 m		1

CB150 TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P02000	HAND TORCH HEAD	1	1
9P04280/C	HANDGRIP WITH MICROSWITCH	1A	1

CB150 ERGO TORCH SPECIFIC SPARE PARTS

CODE	Description	No.	No.Pcs.
9P02001/KIT	TORCH HEAD WITH HANDLE	1A	1
9P02001	TORCH HEAD	1	1
9P09706	HANDGRIP WITH SWITCH	1	1

CP200 TORCHES

The professional flash plasma cutting torch,
in hand and machine versions.



TECHNICAL FEATURES

SAFETY SYSTEM	Electrical
IGNITION	With pilot and HF arc
CUTTING CURRENT	12–200A – 60% working cycle
SUPPLIED GAS	Clean, dry air at 3 bar - 220 L/min
COOLING LIQUID	Distilled water
COOLING LIQUID PRESSURE	3 bar

This torch, designed to cut electrically conductive materials (metals and alloys) by means of a plasma arc procedure. It uses clean and dry air like plasma gas and distilled water mixed with glycol for cooling. The diameter of the nozzle hole on the torch depends on the cutting current.

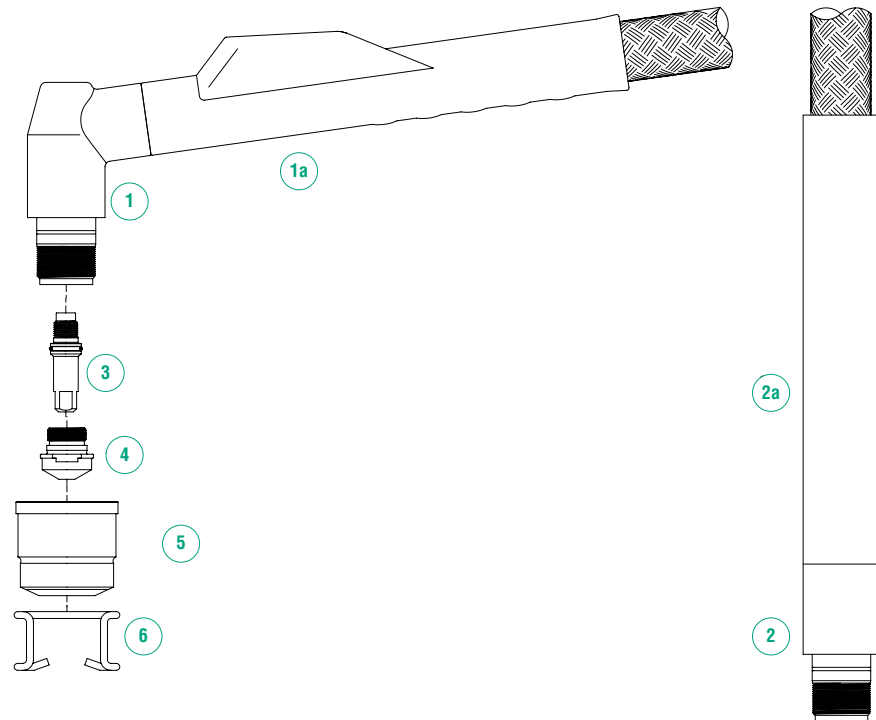
CAUTION! With currents greater than 45/50 A, the nozzle must not touch the piece to be cut, so use the spring spacer or the two-tip spacer. This torch is equipped with electric safety located on the torch body to avoid dangerous voltages when replacing the nozzle, electrode or nozzle holder.

Available with centralised connection and 2 different cable lengths: 6 or 9 metres.

The machine torch is also available with a 4-metre long cable.

CODE	Description	Connection	Length=m	Weight (Kg)	No.Pcs.
9P01821/S	HAND TORCH CP200	Centralised	6	3.80	1
9P01826/S	HAND TORCH CP200	Centralised	9	5.30	1
9P01831/SH	MACHINE TORCH CP200	Centralised	4	3.00	1
9P01832/SH	MACHINE TORCH CP200	Centralised	6	3.80	1
9P01836/SH	MACHINE TORCH CP200	Centralised	9	4.80	1

CP200 SPARE PARTS



CODE	Description	No.	No.Pcs.
9P01800	HAND TORCH HEAD	1	1
9P04280/C	HANDGRIP WITH MICRO SWITCH	1A	1
9P01810	MACHINE TORCH HEAD	2	1
9P01815	MACHINE HANDLE	2A	1
9P52542	ELECTRODE 200A	3	5
9P51071	TIP \varnothing 1.0mm 20A - 50A	4	5
9P51072	TIP \varnothing 1.3mm 40A - 90A	4	5
9P51073	TIP \varnothing 1.6mm 80A - 120A	4	5
9P51074	TIP \varnothing 1.8mm 110A - 150A	4	5
9P60327	NOZZLE HOLDER	5	1
9P51910	SPACER SPRING	6	10





MMA WELDING

Manual Metal Arc (MMA) welding is valued for its versatility and is one of the most commonly used welding procedures.

MMA welding makes use of a current generator, which may be an old capacitor type or a "new" **inverter** type, to produce a low-voltage current and many amps, which are used to form a high-intensity electric arc between an electrode with a coated metal core and the metals to be joined. To weld, the right amperage must be selected, which varies according to the electrode diameter and the thickness to be welded.

The current generator has the task of powering the electric arc, present between the base material and the electrode, through the flow of a sufficient amount of current to keep it on. **Electrode welding is based on the constant current principle, or rather the current supplied from the generator must not change when the operator moves the electrode with respect to the piece.** The constructive characteristic of the source is therefore such as to keep the current unchanged in the presence of variations in the length of the arc due to the approach or removal of the electrode: the more constant the current is, the more stable the arc is, thus facilitating the work of the operator.

Special devices are found inside Oxyturbo inverter current generators to facilitate their use:

- The **arc force** device eases the transfer of drops of melted material from the electrode to the base material, preventing the arc from extinguishing when the drops cause contact between the electrode and the weld pool.
- The **hot start** device facilitates the striking of the electric arc, by supplying an overcurrent every time welding restarts.
- The **anti-stick** device automatically switches off the power source if the electrode sticks to the base material, thus allowing it to be removed manually without ruining the electrode holder clamp.

MMA WELDING APPLICATIONS

It is used daily by DIY enthusiasts, traders, metallurgists and metal fabricators, as well as on pipe-laying work sites.



CE APPROVED

NEW
2018

CE

POWER EL140 INVERTER

Fit for use in small and medium carpentry.



WARRANTY
2
YEARS



140 A@30% - 105 A @100%

TECHNICAL FEATURES

Supply	V	230
Max current	A	140
DC (40°C)	%	30
Regulation range	A	0-140
Power of generator	KVA	4
Electrodes diameter	mm	3.25
Weight	Kg	3.5
Dimensions	mm	115x260x175

Professional inverter suitable for welding all electrodes (not including cellulose and aluminium) **up to a diameter of 3.25** and for Tig welding with starting strip.

The oversized electronic components combined with supply voltage control and verification allows for constant working currents.

Equipped with an Arc Force Digital Ammeter that automatically adjusts based on the set working current, Hot Start and Anti Stick, these are used in small and medium carpentry. Suitable for use with 4/5 KVA power motor generators, taking care to always set the motor generator into operation before connecting the inverter.

Included accessories: Welding cables - Hand mask - Hammer brush - Belt for the transport - Case

CODE	Description	Weight (kg)	No. Pcs.
9SEL140	Power EL140 Inverter	7.5	1

CE APPROVED

NEW
2018

CE

POWER EL160 INVERTER

Fit for use in small and medium carpentry.



WARRANTY
2
YEARS

160 A@30% - 105 A @100%

TECHNICAL FEATURES

Supply	V	230
Max current	A	160
DC (40°C)	%	30
Regulation range	A	0-160
Power of generator	KVA	5
Electrodes diameter	mm	4
Weight	Kg	4
Dimensions	mm	160x290x180

Professional inverter suitable for welding all electrodes (not including cellulose and aluminium) **up to a diameter of 4** and for Tig welding with starting strip. Developed for the use on all electrodes including high efficiency electrodes. Distinctive performance value for money compared to products on the market.

The Inverter Power EL160 is equipped with a Digital Ammeter, Arc Force that automatically adjusts based on the set working current, Hot Start and Anti Stick. This device is used in small and medium carpentry. Suitable for use with 4/5 KVA power motor generators, taking care to always set the motor generator into operation before connecting the inverter.

Included accessories: Welding cables - Hand mask - Hammer brush - Belt for the transport - Case

CODE	Description	Weight (kg)	No.Pcs.
9SEL160	Power EL160 Inverter	8	1





COATED ELECTRODES

Oxyturbo introduces a range of consumables with different functions according to the safety and welding operability requirements.

Coated electrodes are composed of a core and a covering: The core consists of a conductive metal rod that has the sole function of adding material to the piece. The material of which it is composed depends on the base material to be welded. During welding, the core melts slightly before the coating. The diameter of the electrode is by convention that of the metal core. The coating is the most important part of the electrode and performs numerous functions:



- Protect welding from air contamination
- Stabilise the arc
- Contains material that can purify the base material and elements that can contribute to the creation of alloys in the melting.

The choice of coating is therefore very important and depends on the desired welding characteristics.

BASIC ELECTRODES

ADVANTAGES

- Easy welding
- Highly resistant to cracking
- Soft arc
- Easily removable slag

Weld in all positions **except vertical downward**. Good arc stability. Suitable for the welding of highly stressed joints, suitable for groove bottom passages, for bonded assemblies and for steels up to 550 N/mm² of resistance.

WELDABLE STEELS:

Steel pipes, metallic constructions, boilers, heat-resistant steels, tempered steels.

MAIN APPLICATIONS:

Used in the construction of medium-sized carpentry, boiler-making, pipes, earth-moving machinery repairs, etc.

CODICE	Diam. (mm)	Length (mm)	Intensity (Amp)	Pcs. per pack.	Pack. Weight (Kg)
9EBAS100	2.5	350	80	75	1.70
9EBAS101	3.25	450	120	50	2.20
9EBAS102	4.0	450	160	30	2.10
9EBAS103	5.0	450	220	21	2.20

Classification	ISO 2560: E 46 4 B 45 H5 - AWS A5.1: E 7018.1	
Chemical analysis of the deposit	C= 0.06 Si=0.7 Mn=1.2	
Mechanical characteristics	RESISTANCE MPA	>530
	YIELDING MPA	>460
	ELONGATION A5D	>24%
	RESILIENCE KV J	-30°C >80 -45°C >27



RUTILE ELECTRODES

ADVANTAGES

- Low cost
- Stable arc
- Good cord appearance
- Easily conserved

Weld in all positions, guarantee gentle melting and the formation of easily removable slag. Excellent cord appearance. Allow horizontal and vertical welds and thin corner welds.

WELDABLE STEELS:

Low carbon steels.

MAIN APPLICATIONS:

Suitable for metal constructions, craft works, light carpentry, tank construction and pipe welding

CODICE	Diam. (mm)	Length (mm)	Intensity (Amp)	Pcs. per pack.	Pack. Weight (Kg)
9ERUT100	2.0	350	70	380	4.80
9ERUT101	2.5	350	90	240	4.60
9ERUT102	3.25	350	140	160	4.70
9ERUT103	4.0	350	180	100	4.60

Classification	ISO 2560: E 43.2 R 12 - AWS A 5.1: E 6013 - EN 499: E 38 0 RC 11	
Chemical analysis of the deposit	C<0.10 Si= 0,4 Mn= 0,6 S<0.025 P<0.025	
Mechanical characteristics	RESISTANCE MPA	510-580
	YIELDING MPA	>400
	ELONGATION A5D	>22
	RESILIENCE KV J	+20°C >70 0°C >47 -20°C >28

308L STAINLESS ELECTRODES

ADVANTAGES

- Easy welding
- Good cord appearance
- Low voltage stability
- Easily removable slag

Electrodes with rutile coating with low carbon content for welding AISI 308L type and similar stainless steels. Permits all welding position **except vertical downward**. Good weldability with low amperage, well-connected cord and excellent slagging. High resistance to corrosion in oxidising environments
Service temperature from **-196°C up to +350°C**.

WELDABLE STEELS:

Ti and Nb stabilised austenitic steels
AISI 301, 302, 304, 304L, 308 and 308L.

MAIN APPLICATIONS:

Ideal for carpentry and structural applications.

CODICE	Diam. (mm)	Length (mm)	Intensity (Amp)	Pcs. per pack.	Pack. Weight (Kg)
9E308L00	1.6	300	30	210	1.60
9E308L01	2.0	300	50	145	1.80
9E308L02	2.5	300	70	100	1.80
9E308L03	3.25	350	100	55	2.00
9E308L04	4.0	350	135	35	2.00

Classification	DIN 8556: E 19 9 LR 23 AWS A 5.4: E 308L-17 EN 1600: E 19 9 LR 12	
Chemical analysis of the deposit	C=0.03 Si=0.8 Mn 0.7 Cr=18-20 Ni=9-11	
Mechanical characteristics	RESISTANCE MPA	550-620
	YIELDING MPA	370-420
	ELONGATION A5D	35
	RESILIENCE KV J	+20°C <65



309L STAINLESS ELECTRODES

ADVANTAGES

- Universal welding
- Excellent cord appearance
- High resistance
- Easily removable slag

Electrodes with rutile-basic coating for welding temperature-resistant Cr-Ni steels (**up to 1050°C**). Excellent use as a cushion layer before anti-wear refills.

WELDABLE STEELS:

Also suitable for heterogeneous unions between different composition steels such as stainless steels and non-alloy or weakly alloyed steels.

MAIN APPLICATIONS:

Repairs and maintenance of different metals, difficult to weld steel, steels whose components are not known.

CODICE	Diam. (mm)	Length (mm)	Intensity (Amp)	Pcs. per pack.	Pack. Weight (Kg)
9E309L00	2.0	300	50	155	1.80
9E309L01	2.5	300	70	100	1.80
9E309L02	3.25	350	100	55	2.00
9E309L03	4.0	350	135	35	2.00

Classification	DIN 8556: E 23 12 LR 23 AWS A 5.4: E 309L-17 EN 1600: E 23 12 LR 32	
Chemical analysis of the deposit	C=0.03 Si=0.8 Mn=0.7 Cr=21-23 Ni=11-13	
Mechanical characteristics	RESISTANCE MPA	520-560
	YIELDING MPA	370-400
	ELONGATION A5D	35
	RESILIENCE KV J	+20°C >65

316L STAINLESS ELECTRODES

ADVANTAGES

- Low carbon steel
- Excellent cord appearance
- Excellent corrosion resistance
- Excellent ease of welding

Electrodes with rutile coating for welding AISI 316L type and similar stainless steels. Good weldability with low amperage, well-connected cord and excellent slagging.

Low moisture absorption coating.

Service temperature from **-120°C up to +350°C**.

WELDABLE STEELS:

Stainless steel 18/8/3 (316L) and similar.

MAIN APPLICATIONS:

Chemical industry, shipbuilding industry, heat exchangers, pipes, food industry.

CODICE	Diam. (mm)	Length (mm)	Intensity (Amp)	Pcs. per pack.	Pack. Weight (Kg)
9E316L00	1.6	300	30	210	1.60
9E316L01	2.0	300	50	145	1.80
9E316L02	2.5	300	70	100	1.80
9E316L03	3.25	350	100	55	2.00
9E316L04	4.0	350	135	35	2.00

Classification	DIN 8556: E 19 12 3 LR 23 AWS A 5.4: E 316L-17 EN 1600: E 19 12 3 LR 12	
Chemical analysis of the deposit	C=0.03 Si=0,8 Mn=0.7 Cr=18-20 Ni=11-13 Mo=2.50-3.0	
Mechanical characteristics	RESISTANCE MPA	550-620
	YIELDING MPA	360-390
	ELONGATION A5D	35
	RESILIENCE KV J	+20°C >70



WELDING MASKS

Oxyturbo presents a series of electronic and fibre protective masks to make your work even safer.

Electronic helmet masks for welding are increasingly used for 2 reasons:

- To safeguard sight
- The possibility of having both hands free

How to choose among the many models of electronic masks for welding?

The first thing to do is to define if you need a fixed 11 DIN mask or a variable from 8 to 13 DIN.

A fixed DIN mask is generally recommended for MIG welding, with amperage from 90-100 amp to 180-200 amp.

In this power range, the light generated by the welding arc is screened with an 11 DIN and tolerated by the "average" eye. If you will be performing welding with lower values than this, you will need an adjustable DIN mask. Sensitivity is however highly subjective and therefore this data is only indicative.

A variable DIN mask is recommended for TIG welding because welding is normally performed at low amperage, even 30 amp, and therefore the light generated is low.

What do I need to verify to make sure that the welder mask I choose is protecting me?

A very important point to keep in mind is the speed of darkening, or rather the passage from light and dark. The best masks have very few milliseconds, while the value increases as this level goes down. Our immediate perception is not able to distinguish this speed but the eye instead can. You can see this is true on days where you have especially red or tired eyes. Another difference is the number of sensors on the device. The higher the number of sensors, the higher the guarantee of perfect darkening regardless of the position of the head. There are other options also available, such as delay adjustment, or rather the possibility of delaying the return to the light phase at the end of welding, or lateral cuts on the helmet for increased aeration.

Another difference is the power supply of the device: some masks have solar cells while others have replaceable batteries. The difference is that, with solar cell devices, batteries often are not replaceable in case of failure and are more subject to wearing out. Most professional masks usually come with replaceable batteries

Oxyturbo also offers a range of fibre hand masks for occasional use but not continuous welding. They are less expensive but with no loss of professionalism or high quality.

XTB-XL

ELECTRONIC MASK

For welding with great protection.



A mask with a wide front protection and which includes a filter with four photo sensors installed at eye level. The filter is transparent before welding so that the user can clearly see the work surface. When the welding arc starts, the filter darkens immediately. When the welding arc unites, the filter returns to transparent. Filter protection is adjustable from DIN 5 to DIN 9 and is operative against Infrared and Ultraviolet rays also when transparent. It also has a special position for working with grinding machines.



TECHNICAL FEATURES

- Automatic darkening
- Special filter position for use with grinding machines
- 100 x 60 mm area of vision
- Degree of light/dark protection: DIN 4 – DIN 9/13
- Degree of Infrared and Ultraviolet protection: DIN 16
- Filter time from light to dark: 1/30000 s
- Filter time from dark to light: 0.2/0.8 s
- Number of sensors: 4
- Operating temperature: from -5°C to 55°C
- Power source: solar cells

CODE	Description	Weight (kg)	No.Pcs.
9TME15	MASK XTB-XL	0.44	1

MASK XTB-XL SPARE PARTS

CODE	Description	No.Pcs.
9TME10.0029	EXTERIOR PROTECTIVE LENS XTB-XL MASK	1
9TME10.0030	INTERIOR LENS XTB-XL MASK	10
9TME10.0042	HARNES XTB-XL MASK	1

XTB-X

ELECTRONIC MASK

For welding with excellent visibility.



A mask with an excellent optics that stays light after extended use and which includes a filter with two photo sensors installed at eye level. This filter can be darkened automatically depending on the light intensity that hits it. The filter is transparent before welding so that the user can clearly see the work surface. When the welding arc starts, the filter darkens immediately. When the welding arc unites, the filter returns to transparent.

TECHNICAL FEATURES

- Automatic adjustable darkening from DIN 9 to DIN 13
- Special filter position for use with grinding machines
- 92 x 42 mm area of vision
- Degree of light/dark protection: DIN 4 – DIN 9/13
- Degree of Infrared and Ultraviolet protection: DIN 16
- Filter time from light to dark: 1/25000 s
- Filter time from dark to light: 0.2/0.8 s
- Number of sensors: 2
- Operating temperature: from -5°C to 55°C
- Power source: solar cells



CODE	Description	Weight (kg)	No.Pcs.
9TME10	MASK XTB-X	0.43	1

MASK XTB-X SPARE PARTS

CODE	Description	No.Pcs.
9TME10.0008	EXTERIOR PROTECTIVE LENS XTB-R/XTB-X MASKS	1
9TME10.0013	INTERIOR LENS XTB-X MASK	10
9TME10.0019	HARNESS XTB-X MASK	1

XTB-R

ELECTRONIC MASK

For welding with energy savings.

NEW
2018

Nylon 801, highly resistant mask. It is equipped with an external protective lens and an internal protective lens. This filter darkens automatically depending on the light intensity that hits it. When welding begins, the filter gets darker very quickly and then returns to transparent at the end in the same way. It also has a special position for working with grinding machines: in this position, the filter is not darkened by the sparks produced by the grinding machine.



TECHNICAL FEATURES

- Automatic darkening
- Special filter position for use with grinding machines
- 92 x 35mm area of vision
- Degree of light/dark protection: DIN 4 - DIN 9/13
- Degree of Infrared and Ultraviolet protection: DIN 15
- Filter time from light to dark: 1/20000 s
- Filter time from dark to light: 0.4 s
- Operating temperature: from -5°C to 55°C
- Power source: solar cells

CODE	Description	Weight (kg)	No.Pcs.
9TME02	MASK XTB-R	0.50	1

MASK XTB-R SPARE PARTS

CODE	Description	No.Pcs.
9TME10.0008	EXTERIOR PROTECTIVE LENS XTB-R/XTB-X MASKS	1
9TME10.0057	INTERIOR LENS XTB-R MASK	10
9TME10.0055	HARNESS XTB-R MASK	1

HAND MASKS IN FIBRE

Lightweight and compact masks as required by EN 175.



Lightweight and compact, without metallic rivets as required by EN 175.

These high resistant, flat and curved compressed fibre masks have large side guards and are equipped with a quick-coupling internal handgrip. Helmet masks are also complete with face-plate. Suitable for all main welding processes. The masks most used by medium sized welders. The helmet versions are particularly suitable for more professional uses, as they guarantee maximum protection even on the sides of the face and throat.

Supplied without glass and can be installed with standard Italian size glass, 75 x 98 mm.



9TMM10

CODE	Description	Weight (kg)	No.Pcs.
9TMM10	FLAT MASK IN FIBRE	0.24	1
9TMM20	CURVED MASK IN FIBRE	0.29	1
9TMM30	HELMET MASK IN FIBRE + FACE-PLATE	0.32	1
9TMM40	HELMET MASK IN PLASTIC + FACE-PLATE	0.32	1



9TMM20



9TMM30



9TMM40

SPARE GLASS FOR FIBRE MASKS

Glass is standard size 75 x 98 mm.

We offer 3 different types of glass depending on welding needs, with various DIN shielding degrees.



TRANSPARENT

CODE	Description	No.Pcs.
9TMVT000	Transparent glass 75 x 98	100

ADIACTINIC

black for protection against UV (ultraviolet) and IC (infrared) rays from electric arc welding.



CODE	Description	No.Pcs.
9TMVI009	Black adiactinic glass 75x98 DIN 9	100
9TMVI010	Black adiactinic glass 75x98 DIN 10	100
9TMVI011	Black adiactinic glass 75x98 DIN 11	100
9TMVI012	Black adiactinic glass 75x98 DIN 12	100
9TMVI013	Black adiactinic glass 75x98 DIN 13	100

MIRRORED



CODE	Description	No.Pcs.
9TMVS010	Mirrored glass 75x98 DIN 10	100
9TMVS011	Mirrored glass 75x98 DIN 11	100
9TMVS012	Mirrored glass 75x98 DIN 12	100
9TMVS013	Mirrored glass 75x98 DIN 13	100
9TMVS014	Mirrored glass 75x98 DIN 14	100

GOGGLES FOR WELDING DIN 5

Protective goggles made of soft, heat-resistant material. These protect against impacts, UV rays, infrared (IR) rays and glare generated by welding processes. The lenses are made of green IR 5 glass with a diameter of 50 mm. The fabric elastic ensures an excellent hold on the operator's face. The side openings provide good internal ventilation that increases comfort.



CODE	Description	Weight (kg)	No.Pcs.
100000	GOOGLES FOR WELDING DIN 5	0.07	1

ACCESSORIES

ELECTRIC WELDING

WELDING CABLES

ACCORDING CEI 20/19 - 20/20

Highly flexible, insulated cables with excellent mechanical resistance. Available with 2 types of coating:

- PVC**, suitable for general use
- Rubber**, resistant to oils and hydrocarbons

The purity of the material, the number of capillaries and the cording pitch determine the conductive capacity of the cable. To reduce the effects of alternating current on the voltage drop, the two cables forming the welding circuit must be kept as near as possible. During operation, the welding cables must not be coiled.

PVC WELDING CABLES

Highly flexible, insulated cables with excellent mechanical resistance.



CODE	Description	Mt.
9TVACV10PVC	PVC welding cable 10 mm ²	100
9TVACV16PVC	PVC welding cable 16 mm ²	100
9TVACV25PVC	PVC welding cable 25 mm ²	100
9TVACV35PVC	PVC welding cable 35 mm ²	100
9TVACV50PVC	PVC welding cable 50 mm ²	100
9TVACV70PVC	PVC welding cable 70 mm ²	50
9TVACV95PVC	PVC welding cable 95 mm ²	50
9TVACV120PVC	PVC welding cable 120 mm ²	50

RUBBER WELDING CABLES

This version is specific for welding circuits: it offers high flexibility at low temperatures, and high resistance to heat and welding sprays.



CODE	Description	Mt.
9TVACV10GO	Rubber welding cable 10 mm ²	100
9TVACV16GO	Rubber welding cable 16 mm ²	100
9TVACV25GO	Rubber welding cable 25 mm ²	100
9TVACV35GO	Rubber welding cable 35 mm ²	100
9TVACV50GO	Rubber welding cable 50 mm ²	100
9TVACV70GO	Rubber welding cable 70 mm ²	50
9TVACV95GO	Rubber welding cable 95 mm ²	50
9TVACV120GO	Rubber welding cable 120 mm ²	50

ELECTRODE HOLDER CLAMPS

Clamps should be selected in proportion to the maximum electrode diameter to be used. The maximum amperage accepted by the clamp and the minimum diameter of the cable to be used depend on this diameter.

FCL SERIES ELECTRODE HOLDER SPRING CLAMP

Ergonomic handgrip with anti-slip notches and brass jaws. Easy to use, even at high current values. Allows you to tighten the electrodes in 9 positions.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	Ø electrode mm	No.Pcs.
9TEH200FCL	ELECTRODE HOLDER CLAMP FCL 2	150	200	25	MAX 3.2	1
9TEH300FCL	ELECTRODE HOLDER CLAMP FCL 3	200	300	35	MAX 4.0	1
9TEH400FCL	ELECTRODE HOLDER CLAMP FCL 4	300	400	50	MAX 5.0	1
9TEH600FCL	ELECTRODE HOLDER CLAMP FCL 6	500	600	70	MAX 6.3	1

GROUND TERMINALS

Ground terminals are essential accessories for good welding. It is the ground terminals that ground the piece and allow welding arc formation.

Oxyturbo offers a wide range of ground terminals to meet the various needs of different fields of use. To choose which terminal to use, check the maximum amperage used and the type of contact. For light works, a CC or NT terminal can be used, while SC or CMP series terminals are preferable for heavy or intense works.

Terminals with clamp or screw fixing are available



CC SERIES TERMINAL

Clamp ground terminal with galvanised steel body. Cable clamping is carried out by means of a coupling with the wire terminal on the nut in question.

CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No.Pcs.
9TEC200CC	CLAMP GROUND TERMINAL CC 200	150	200	25	1
9TEC400CC	CLAMP GROUND TERMINAL CC 400	300	400	70	1
9TEC600CC	CLAMP GROUND TERMINAL CC 600	500	600	95	1

NT SERIES TERMINAL

Clamp ground terminal with galvanised steel body. Cable clamping is performed by means of a plate with screws.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TEC200NT	CLAMP GROUND TERMINAL NT 200	200	250	35	1
9TEC350NT	CLAMP GROUND TERMINAL NT 350	300	400	50	1
9TEC500NT	CLAMP GROUND TERMINAL NT 500	400	500	95	1
9TEC650NT	CLAMP GROUND TERMINAL NT 650	500	600	120	1

SC SERIES TERMINAL

Die-cast brass clamp ground terminal. Cable clamping is obtained with brass screws at the back of the terminal near the area of contact. For large sized welders, designed for professional use.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TGC300SC	CLAMP GROUND TERMINAL SC 300	300	400	70	1
9TGC500SC	CLAMP GROUND TERMINAL SC 500	500	600	95	1

CMP SERIES TERMINAL

Ground terminals with wide locking opening, die-cast brass alloy body, locks with steel screws. Indicated for heavy duty use with high amperage and where a fixed contact is required.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TGC500-CMP	GROUND TERMINAL CMP 500	400	500	95	1
9TGC800-CMP	GROUND TERMINAL CMP 800	600	800	120	1

ST SERIES TERMINAL

Screw mass terminal composed of a nickel-plated steel jaw and a die-cast brass jaw. Equipped with a release spring to facilitate opening and a rubber knob. Cable clamping is carried out by means of an Allen screw. Particularly suitable for uses where placing and removing the ground cable is not necessary.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TGC600ST-BS	GROUND TERMINAL ST 600 BRASS	500	600	95	1

MALE PUSH-PULL CONNECTOR

Mobile plug for connecting the ground cable and clamp to welding systems. Brass body and rubber heat-resistant knob. Cable clamping is carried out with an Allen grub screw.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TCC-10-25-P	MALE PLUG 10-25	200	250	25	2
9TCC-35-50-P	MALE PLUG 35-50	300	400	50	1
9TCC-50-70-P	MALE PLUG 50-70	400	500	70	1
9TCC-70-95-P-DH	MALE PLUG 70-95 DH	500	600	95	1

FEMALE PUSH-PULL CONNECTOR

Mobile socket for connecting the ground cable and clamp to welding systems. Brass body and rubber heat-resistant knob. Cable clamping is carried out with an Allen grub screw.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TCC-10-25-S	FEMALE SOCKET 10-25	200	250	25	1
9TCC-35-50-S	FEMALE SOCKET 35-50	300	400	50	1
9TCC-50-70-S	FEMALE SOCKET 50-70	400	500	70	1
9TCC-70-95-S-DH	FEMALE SOCKET 70-95 DH	500	600	95	1

MALE PANEL CONNECTOR

Special plug for panel connection of the ground cable and clamp to welding circuits. Brass body. Cable clamping is carried out by means of a hex screw.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TCC-10-25-PP	MALE PANEL PLUG 10-25	200	250	25	1
9TCC-35-50-PP	MALE PANEL PLUG 35-50	300	400	50	1
9TCC-50-70-PP	MALE PANEL PLUG 50-70	400	500	70	1
9TCC-70-95-PP	MALE PANEL PLUG 70-95	500	600	95	1

FEMALE PANEL CONNECTOR

Special plug for panel connection of the ground cable and clamp to welding circuits. Brass body. Cable clamping is carried out by means of a hex screw.



CODE	Description	Working cycle 60% (A)	Working cycle 35% (A)	Cable mm ²	No. Pcs.
9TCC-10-25-PS	FEMALE PANEL SOCKET 10-25	200	250	25	1
9TCC-35-50-PS	FEMALE PANEL SOCKET 35-50	300	400	50	1
9TCC-50-70-PS	FEMALE PANEL SOCKET 50-70	400	500	70	1
9TCC-70-95-PS	FEMALE PANEL SOCKET 70-95	500	600	95	1



WELDING SPRAY

The very best welding aid.

SPRAY-SUPPRESSION FOR WELDING



A product specifically designed as a spray-suppression agent for autogenous, electric and inert gas welding. Its main feature is that it does not contain silicone substances that might interfere with any painting operations after welding. Prevents sparks and the formation of drops that would otherwise have to be removed later before proceeding with other treatments, as they spoil the aesthetics of the product. Prevents the formation of oxides and any corrosion by chemical agents and keeps welding torches perfectly clean both externally and internally.

CODE	Description	Weight (Kg)	No. pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
9TAS0010	400 ml SPRAY-SUPPRESSION	0.35	12	27 x 22 x 22	4.30

GALVANISING SPRAY



Synthetic type resin-based cold galvanising spray. Ideal for protecting all metal surfaces exposed to weathering from oxidation. Forms a uniform, resistant layer on the affected surface that can then be painted or left "in view". Ideal for retouching where a semi-glossy light grey finish is required.

CODE	Description	Weight (Kg)	No. pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
9TAS0030	400 ml LIGHT ZINC	0.40	12	27 x 22 x 22	4.90

7 FUNCTION LUBRICANT UNBLOCKING



A product you should always have on hand. Its 7 functions (unlocking, protecting, lubricating, penetrating, degreasing, anti-corrosion and resistance to high temperatures) and its 360° dispensing valve make it perfectly suitable in workshops, at home, in garages, in the garden and wherever you can find mechanisms requiring maintenance.

CODE	Description	Weight (Kg)	No. pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
9TAS0020	400 ml LUBRICANT UNBLOCKING	0.39	12	27 x 22 x 22	4.80

CRACK DETECTORS



A series of products that allow you to easily and precisely identify any welding or moulding defects, cracks, fusion defects, and open cavities on welded parts. These devices allow for non-destructive testing of surface quality and compliance. You must first thoroughly clean and degrease the surfaces in question with a cleaner, then apply a red penetrant and then let sit for approximately 20 minutes. Remove excess liquid, dry and spray a layer of the white detector: after a few moments, any surface defects will be clearly and unambiguously highlighted.

CODE	Description	Weight (Kg)	No. pcs.	Pack. Dim. (cm)	Pack. Weight (kg)
9TAS0000	400 ml CLEANER	0.37	12	27 x 22 x 22	4.60
9TAS0001	400 ml RED PENETRANT	0.39	12	27 x 22 x 22	4.80
9TAS0002	400 ml WHITE DETECTOR	0.40	12	27 x 22 x 22	4.90



**GAS LEAK AND ESCAPE DETECTOR
FOR YOUR SAFETY**
(see page 108)

THERMOMELT PASTELS

Temperature indicators for welding.



Pastels for accurate, fast and cost-effective surface temperature detection. When the desired temperature is reached, the mark quickly melts becoming glossy and transparent.

Temperature detection is accurate with a +/- 1% oscillation with respect to the temperature reached. Available in a wide range of detectable temperatures, equipped with a comfortable steel holder with clips for operators to keep on hand.

CODE	Description	No.Pcs.
9TPT101	THERMOMELT 101°C – 213°F	12
9TPT121	THERMOMELT 121°C – 250°F	12
9TPT124	THERMOMELT 124°C – 256°F	12
9TPT152	THERMOMELT 152°C – 306°F	12
9TPT173	THERMOMELT 173°C – 344°F	12
9TPT184	THERMOMELT 184°C – 363°F	12
9TPT204	THERMOMELT 204°C – 400°F	12
9TPT253	THERMOMELT 253°C – 488°F	12
9TPT300	THERMOMELT 300°C – 572°F	12
9TPT350	THERMOMELT 350°C – 650°F	12
9TPT399	THERMOMELT 399°C – 750°F	12
9TPT454	THERMOMELT 454°C – 850°F	12
9TPT510	THERMOMELT 510°C – 950°F	12
9TPT550	THERMOMELT 550°C – 1022°F	12
9TPT593	THERMOMELT 593°C – 1100°F	12
9TPT649	THERMOMELT 649°C – 1200°F	12
9TPT704	THERMOMELT 704°C – 1300°F	12
9TPT760	THERMOMELT 760°C – 1400°F	12
9TPT804	THERMOMELT 804°C – 1480°F	12
9TPT843	THERMOMELT 843°C – 1550°F	12
9TPT899	THERMOMELT 899°C – 1650°F	12
9TPT954	THERMOMELT 954°C – 1750°F	12
9TPT1010	THERMOMELT 1010°C – 1850°F	12
9TPT1093	THERMOMELT 1093°C – 2000°F	12
9TPT1149	THERMOMELT 1149°C – 2100°F	12
9TPT1204	THERMOMELT 1204°C – 2200°F	12

PERSONALISED WORK CLOTHING

Work clothing is designed to guarantee all workers' protection, safety and comfort while they perform their duties. Oxyturbo has selected a series of quality, aesthetically pleasing and comfortable work clothing embroidered with the Oxyturbo logo.

T-SHIRT



CODE	Description	No. Pcs.
ILOTS000	T-Shirt ROYAL BLUE size XS	1
ILOTS001	T-Shirt ROYAL BLUE size S	1
ILOTS002	T-Shirt ROYAL BLUE size M	1
ILOTS003	T-Shirt ROYAL BLUE size L	1
ILOTS004	T-Shirt ROYAL BLUE size XL	1
ILOTS005	T-Shirt ROYAL BLUE size XXL	1



SHORT SLEEVE POLO SHIRT

CODE	Description	No. Pcs.
ILOP0000	Short sleeve cotton polo shirt ROYAL BLUE size XS	1
ILOP0001	Short sleeve cotton polo shirt ROYAL BLUE size S	1
ILOP0002	Short sleeve cotton polo shirt ROYAL BLUE size M	1
ILOP0003	Short sleeve cotton polo shirt ROYAL BLUE size L	1
ILOP0004	Short sleeve cotton polo shirt ROYAL BLUE size XL	1
ILOP0005	Short sleeve cotton polo shirt ROYAL BLUE size XXL	1



WINTER SLEEVELESS JACKET

CODE	Description	No. Pcs.
ILOS1000	Winter sleeveless jacket NAVY BLUE size XS	1
ILOS1001	Winter sleeveless jacket NAVY BLUE size S	1
ILOS1002	Winter sleeveless jacket NAVY BLUE size M	1
ILOS1003	Winter sleeveless jacket NAVY BLUE size L	1
ILOS1004	Winter sleeveless jacket NAVY BLUE size XL	1
ILOS1005	Winter sleeveless jacket NAVY BLUE size XXL	1



SUMMER SLEEVELESS JACKET

CODE	Description	No. Pcs.
ILOS0000	Summer sleeveless jacket NAVY BLUE size XS	1
ILOS0001	Summer sleeveless jacket NAVY BLUE size S	1
ILOS0002	Summer sleeveless jacket NAVY BLUE size M	1
ILOS0003	Summer sleeveless jacket NAVY BLUE size L	1
ILOS0004	Summer sleeveless jacket NAVY BLUE size XL	1
ILOS0005	Summer sleeveless jacket NAVY BLUE size XXL	1



FLEECE SWEATSHIRT

CODE	Description	No. Pcs.
ILOF0000	Fleece sweatshirt ROYAL BLUE size XS	1
ILOF0001	Fleece sweatshirt ROYAL BLUE size S	1
ILOF0002	Fleece sweatshirt ROYAL BLUE size M	1
ILOF0003	Fleece sweatshirt ROYAL BLUE size L	1
ILOF0004	Fleece sweatshirt ROYAL BLUE size XL	1
ILOF0005	Fleece sweatshirt ROYAL BLUE size XXL	1

TROUSERS WITH POCKETS

CODE	Description	No. Pcs.
ILOC0000	Trousers with pockets NAVY BLUE size XS	1
ILOC0001	Trousers with pockets NAVY BLUE size S	1
ILOC0002	Trousers with pockets NAVY BLUE size M	1
ILOC0003	Trousers with pockets NAVY BLUE size L	1
ILOC0004	Trousers with pockets NAVY BLUE size XL	1
ILOC0005	Trousers with pockets NAVY BLUE size XXL	1

SUMMER CAP

CODE	Description	No. Pcs.
ILOB0000	Summer cap NAVY BLUE	1

WINTER CAP

CODE	Description	No. Pcs.
ILOB0001	Winter cap NAVY BLUE	1

RUCKSACK

CODE	Description	No. Pcs.
Z9040001	Rucksack NAVY BLUE	1

DUFFEL BAG

CODE	Description	No. Pcs.
Z9040000	Grey/blue duffel bag	1

UMBRELLA

CODE	Description	No. Pcs.
Z9060000	Umbrella NAVY/ROYAL BLUE	1

THERE IS AN ENTIRE COMPANY IN EVERY OXYTURBO PRODUCT

The three warehouses in Desenzano house 4 pressure reducer assembly lines and 2 welding product assembly lines within the 3000 square metres of operating area. It produces significant production capacity from each assembly line, with a very high annual potential. Capability that of course is further enhanced by the other products in the Oxyturbo and Welding Diffusion range, which are also tested, packaged and marketed from the headquarters in Desenzano.







oxyturbo®

Gas in Action

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