GENERAL CATALOGUE

2025

BEVERAGE
AQUARIUM
OXYKLYMA
GAS DISTRIBUTION CONTROL SYSTEMS
PRESSURE REGULATORS
FLAME WELDING

ORIGINAL OXYTURBO MADE IN ITALY

oxyturbo®

Gas in Action

ONE CATALOG, DIVERSE SECTORS, ENDLESS OPPORTUNITIES.

This new Oxyturbo general catalogue is intended as a **true working tool**, useful for the many sectors in which our products are used. Much more than a repertoire of available solutions and numerical data to identify them, it is a tangible testament to our values. It embodies, in an even broader and more precise way, the entrepreneurial vision that has always distinguished us, while also communicating the remarkable development of our potential.

For this reason, we dedicate it to the memory of our founder, Adenio Magazza, the charismatic President of Oxyturbo, who passed away in 2023 after a lifetime dedicated to the company's growth and his passion for this work. We are certain that he would have appreciated it as much as we do.

The expansion of product versions in multiple sectors, particularly flame welding, is accompanied by the response to the demands of different markets for ever greater reliability and quality, while remaining competitive and sustainable. **The implementation of the most modern principles of Industry 4.0** has found its place in our **new production and management headquarters** in Lonato del Garda.

Mario Magazza and the entire Oxyturbo team

oxyturbo®
Gas in Action

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BEVERAGE

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

Ideal for use with CO_2 – Nitrogen and Carbo Nitrogen

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

Ideal for use with CO_2 – Nitrogen and Carbo Nitrogen

OXYTURBO BEVERAGE MADE IN ITALY

All pressure regulators 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 rechargeable and disposable cylinders.

FEATURES

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

The pressure regulators 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. CERTIFICATION

All the regulators in this line are built in compliance with the standards in force and have been verified to guarantee the food requirements by SK Zert for carbonation systems according to DIN 6650 Teil 5 and by C.S.I. according to DM 174/04.

PRODUCTION CYCLE

The latest generation production technology allows the creation of any prototype without the use of die-casting molds or processing equipment, so the projects can be customized without additional costs.

SINGLE TESTING

To ensure maximum reliability, our regulators are individually tested during assembly at the maximum inlet and outlet pressures. Availability for digital testing of each individual piece upon customer request.

MARKINGS

- Name or brand of the manufacturer and/or distributor
- Nominal inlet pressure –**p1**–Max and batch number
- Product family
- SK approval number.

The DIN 6650 Teil 5 standard refers to dispensing systems for drinks on tap and provides for a marking with the letters SK followed by 3 digits that identify the manufacturer and 3 that identify the type of regulator.

Our **marking performed with a laser process** also shows the production batch, allows its traceability and allows us to distinguish an original product from a counterfeit one.
Upon customer request, we are able to create customized markings and manage the serial number of each individual body for large quantities.

NON-LOSSABILITY OF THE PRESSURE REGULATION DEVICE

Our regulators are equipped with a non-losable device to guarantee maximum safety during use of the regulator at the maximum pressures delivered.

INTEGRATED CAPSULE

All our regulators are with INTEGRATED CAPSULE, equipped with a filter with internal AISI components, which allows for greater reliability and easier maintenance. The high pressure pad is made of a special PTFE (Teflon) that guarantees a considerable life of the capsule in use. **Each capsule has the laser-marked batch number for traceability.**

SURFACE TREATMENT

All the products in the Beverage line are nickel-plated with galvanic electrolysis.
All the regulator components are nickel-plated on the frame to ensure superior quality and not to pollute the passing gas used. The use of much less expensive barrel surface treatment systems has been abandoned to maintain processing tolerances.

GUARANTEED FOR 3 YEARS

The regulators in this line are guaranteed for 3 years excluding pressure gauges and any accidental drops.

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MASTER

First stage pressure regulator to supply many sampling stations. Ideal for beverage equipment and for tapping beer, soft drinks and water.

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 with left or right cylinder connection
- Supplied with ball-valve with 1/4 F, 1/4 SAE adaptor and hose nipple
- High pressure capsule with needle in AISI 304 material to guarantee a longer life
- Seal in PTFE material with high endurance
- Internal membrane entirely in brass material
- Chamber with big volume capacity to avoid freezing
- 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
- 50mm diameter pressure gauges
- Laser markings with technical characteristics as per standard EN ISO 2503
- Approved up to 300 bar inlet
- Individual packaging.

7 bar

Upon request we supply the regulator with gas connections not in the catalogue

USE

The Master pressure regulator is ideal for the direct connection to the saturation tank beer even during the bottling phase. The big flow capacity enables **the supply of up to 15 secondary pressure regulators at the same time without freezing.**

SUPPLIED WITH 2 OUTLET CONNECTIONS ¼ SAE - C1198402
AND HOSE NIPPLE Ø 7-11 - C2018402

M6 DOUBLE HOLES
ALLOW WALL MOUNTING

PLACE FOR REGULATOR WALL
MOUNTING CODE 194821 ON DEMAND

MASTER CO_2

CALIBRATION **7 BAR**

CO_2 first stage pressure regulator 60 bar made of brass and nickel-plated.
Available with left or right cylinder connection.
The great volume capacity of the chamber enables the supply up to 15 secondary pressure regulators downstream without causing freezing problems and the consequent stop of the system.
Limited flow at 7 bar with relevant calibrated and sealed at 7 bar overpressure valve (anti-tampering system). Outlet with G1⁄4 F ball-valve and equipment of double connection 1⁄4 SAE and Ø 7-11 hose nipple.

Description	P1 (bar)	P2 (bar)	Q1 (m^3/h)	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
Master with left side bottle connection	60	7	23	1.9	4	45X30X15.5	8.5
Master with right side bottle connection	60	7	23	1.9	4	45X30X15.5	8.5

MASTER NITROGEN

CALIBRATION **7 BAR**

Nitrogen first stage pressure regulator 230 bar made of brass and nickel-plated.
Available with left or right cylinder connection.
The great volume capacity of the chamber enables the supply up to 15 secondary pressure regulators downstream without causing freezing problems and the consequent stop of the system.
Limited flow at 7 bar with relevant calibrated and sealed at 7 bar overpressure valve (anti-tampering system). Outlet with G 1⁄4 F ball-valve and equipment of double connection 1⁄4 SAE and Ø 7-11 hose nipple.

Description	P1 (bar)	P2 (bar)	Q1 (m^3/h)	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
Master with left side bottle connection	230	7	23	1.9	4	45X30X15.5	8.5
Master with right side bottle connection	230	7	23	1.9	4	45X30X15.5	8.5

MASTER ARGON

CALIBRATION **7 BAR**

Argon 230 bar first stage pressure regulator in brass and nickel-plated.
Available in versions with left and right side cylinder connection.
The great volume capacity of the chamber allows the supply of up to 15 secondary pressure regulators downstream without causing freezing problems and the consequent stop of the system.
Limited flow at 7 bar with relevant calibrated and sealed at 7 bar overpressure valve (anti-tampering system).
Outlet with G 1⁄4 F ball-valve and equipment of double connection 1⁄4 SAE and Ø 7-11 hose nipple.

Description	P1 (bar)	P2 (bar)	Q1 (m^3/h)	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
Master with left side bottle connection	230	7	23	1.9	4	45X30X15.5	8.5
Master with right side bottle connection	230	7	23	1.9	4	45X30X15.5	8.5

CHOOSE YOUR PRESSURE REGULATOR MASTER

1 Kind of gas (☑): ☐ CO_2 ☐ NITROGEN ☐ ARGON

2 Inlet Orientation (☑): ☐ RIGHT ☐ LEFT

3 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 14

☐ STANDARD ☐ MANUAL

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MACRO

Pressure regulators for refillable cylinders with 1 ore 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

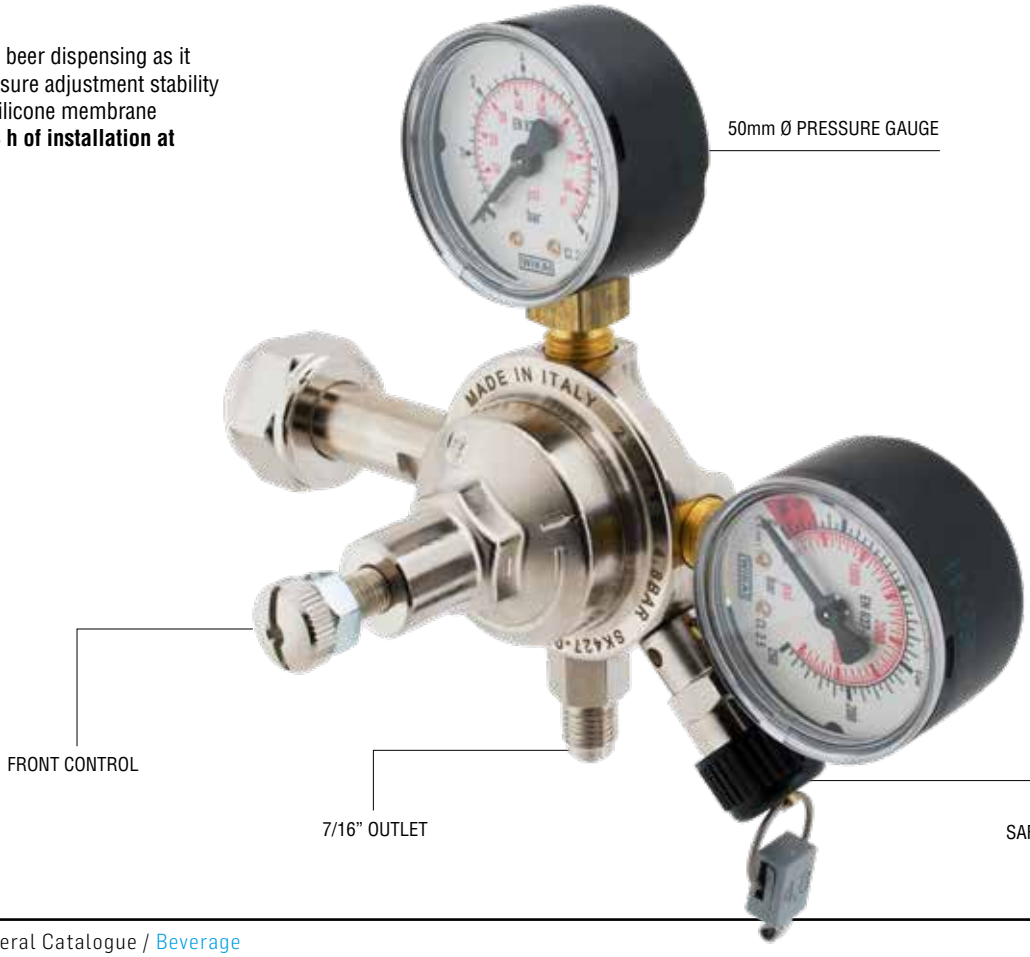
- The body and cover are machined directly from brass bar and are nickel-plated, with the safety valve being sealed to the pressure calibration with an anti-tampering system.
- The connection is on the left or on the right side and has a front pressure regulation system. Provided with 7/16" outlet with safety valve sealed at pressure calibration.
- The high pressure capsule is made with pin, shutter and a spring AISI 304 material 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 unscrewing of the front control, without discharging pression in the aftermath of the regulator necessarily. **This system is not present in Majorplus**.
- 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 (see page 27) can be supplied separately upon request together with a place for regulator wall mounting. (see page 28)
- 50 mm diameter pressure gauges.
- Individual shockproof packaging with internal protection.

3 // 4.8 // 7 bar

Upon request we supply the regulator with gas connections not in the catalogue

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 CO_2

CALIBRATION **3/4.8 BAR**

In the CO_2 version, calibration at 3 and 4.8 bar provides Macro pressure regulators with 1 to 5 sampling stations. The regulator can be fixed to the wall with the aid of one or more stainless steel plates, sold separately upon request. (see page 28)
Stable connection between the high-pressure shutter and the low-pressure membrane allows users to self-adjust operating pressure on the regulator 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 CO_2 provides for Macro regulators 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 regulator 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 16

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MAJORPLUS

Pressure regulator for rechargeable cylinders.
Available with 1 or 5 sampling stations, or in the secondary pressure regulator version with a low-pressure gauge only.
A very reliable pressure regulator for keeping circuit pressure stable.

FEATURES

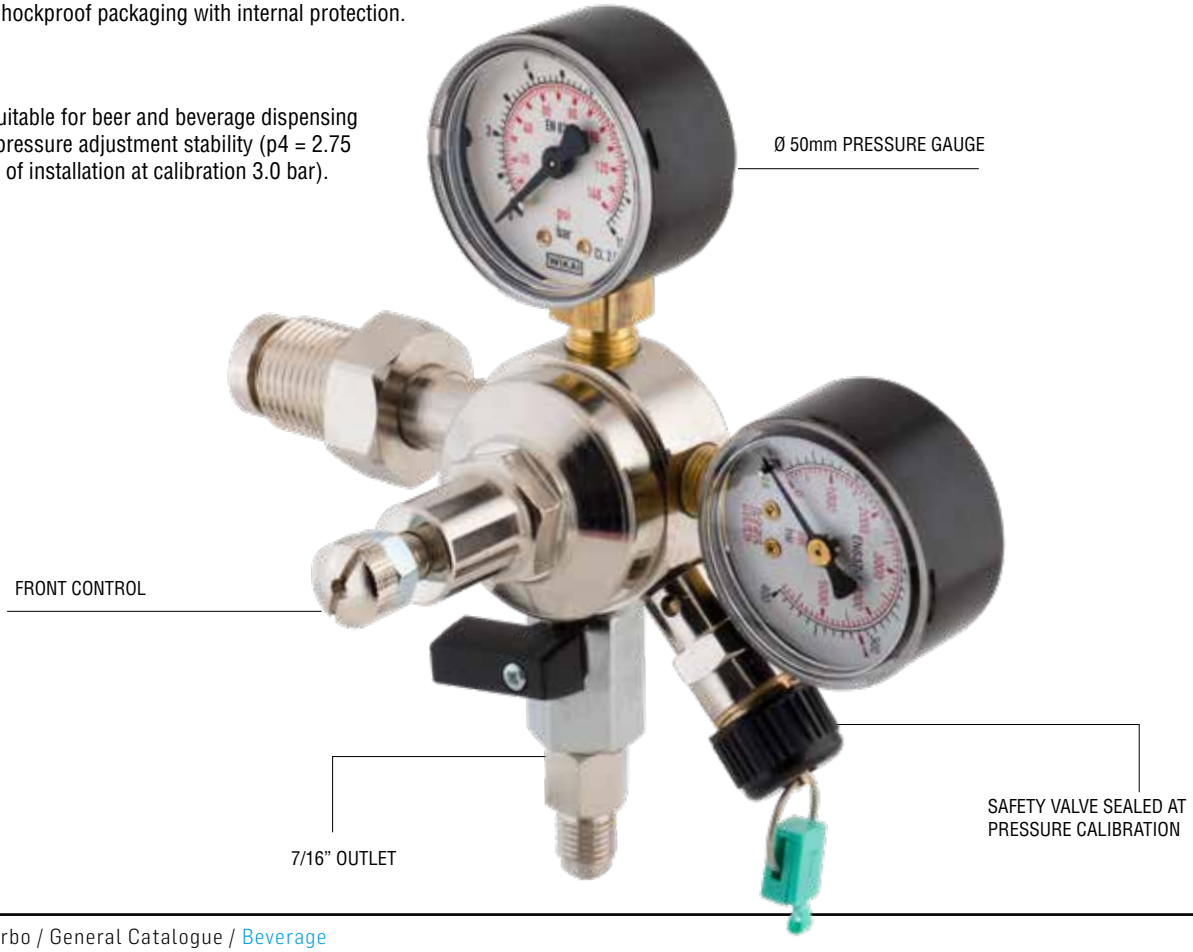
- The body and cover are machined directly from brass bar and are nickel-plated.
- The safety valve is sealed to the pressure calibration with an anti-tampering system.
- Available in the left side connection version or with the 1 station version which also includes a rear connection.
- Front adjustment system.
- **There is no self-regulation system for the operating pressure** when unscrewing the adjustment screw. This system is present in the Macro version.
- 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.
- 1/4 SAE outlet connection.
- Different outlet fittings can be supplied separately upon request together with a place for regulator wall mounting (see page 27)
- 50mm diameter pressure gauges.
- Laser markings with technical characteristics as per standard EN ISO 2503.
- Individual shockproof packaging with internal protection.

3 //4.8 // 7 bar

Upon request we supply the regulator with gas connections not in the catalogue

USE

Particularly suitable for beer and beverage dispensing thanks to its pressure adjustment stability (p4 = 2.75 bar after 24 h of installation at calibration 3.0 bar).



MAJORPLUS CO_2

CALIBRATION **3 / 4.8 / 7 BAR**

TO ASSEMBLE YOUR MAJORPLUS SEE PAGE 16

3 pressure calibrations are available in the CO_2 version: 3 - 4.8 and 7 bar.
Operating pressure can be adjusted via the safety valve if the regulator is already connected to the gas distribution system in use. Upon request are available other pressure combinations on the different sampling stations.

MAJORPLUS NITROGEN

CALIBRATION **3 / 4.8 / 7 BAR**

Majorplus is also available in a version for nitrogen with a high-pressure gauge from 0-400 bar and calibration at 3/4.8 and 7 bar. Ideal for dispensing wine and non-carbonated beverages and perfect for small spaces.
It is available with 1 or 2 stations. Provided with a ball valve and a 1/4 SAE outlet fitting.

MAJORPLUS SECONDARY

CALIBRATION **3 / 4.8 / 7 BAR**

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

UPON REQUEST

CODE 194820

It is supplied with a place for regulator wall mounting.

CYLINDER CONNECTIONS

GAS	CHIMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	REGULATOR 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	W21.7 x 1/14"	NF E 29-650/C	1
Carbon dioxide	CO_2	W21.7 x 1/14"	NF E 29-650/C	1
Nitrogen	N_2	W21.7 x 1/14"	NF E 29-650/C	1
HOLLAND, BELGIUM				
Argon	Ar	W24.32 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_3H_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 REGULATOR
MACRO AND MAJORPLUS

See page 16-17

1 Model of pressure regulator (☑):

☐ **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 (☑): ☐ CO_2 ☐ ARGON ☐ NITROGEN
(Only for **1B** and **2B**)

4 No. sampling stations (☑): ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
(Only for **1B** and **2B**)

5 Inlet orientation (☑): ☐ right ☐ left
(Not for **3B**)

6 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:
(Not for **3B**)
See page 14
☐ STANDARD ☐ MANUAL

7 High pressure gauge (☑): ☐ **1G** 0-250 bar ☐ **2G** 0-400 bar (**ONLY FOR NITROGEN**)
(Not for **3B**)

8 Low pressure gauge (☑):

1st station ⇢	☐ **3G** 0-6 bar R.L. 3 bar	☐ **4G** 0-6 bar R.L. 4.8 bar	☐ **5G** 0-10 bar R.L. 7 bar
2nd station ⇢	☐ **3G** 0-6 bar R.L. 3 bar	☐ **4G** 0-6 bar R.L. 4.8 bar	☐ **5G** 0-10 bar R.L. 7 bar
3rd station ⇢	☐ **3G** 0-6 bar R.L. 3 bar	☐ **4G** 0-6 bar R.L. 4.8 bar	☐ **5G** 0-10 bar R.L. 7 bar
4th station ⇢	☐ **3G** 0-6 bar R.L. 3 bar	☐ **4G** 0-6 bar R.L. 4.8 bar	☐ **5G** 0-10 bar R.L. 7 bar
5th station ⇢	☐ **3G** 0-6 bar R.L. 3 bar	☐ **4G** 0-6 bar R.L. 4.8 bar	☐ **5G** 0-10 bar R.L. 7 bar

9 Outlet No. (☑): ☐ 1o ☐ 2o ☐ 3o ☐ 4o ☐ 5o ☐ 6o ☐ 7o ☐ 8o ☐ 9o ☐ 10o ☐ 11o

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

ASSEMBLE YOUR

INLET


1i

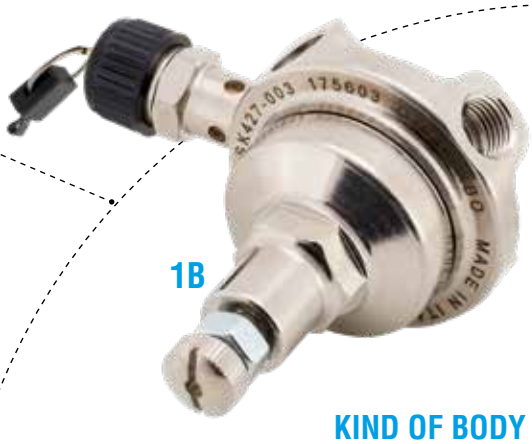

2i

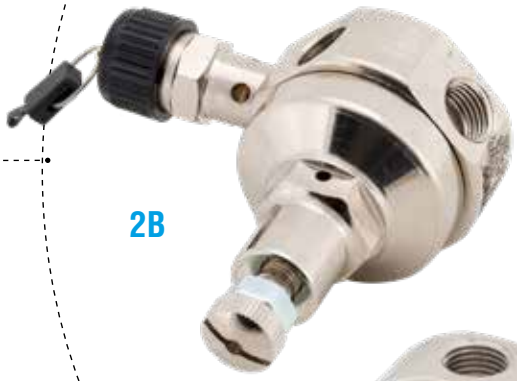

3i


4i

MANUAL FIXING DISPOSABLE ON REQUEST

KIND OF BODY


1B


2B


3B

OUTLET

1o


Y connection

2o


Ball valve G1/4

3o


Duck bill

OUTLET

4o 5o 6o 7o


G 1/4


G 1/2


G 3/4


G 5/8

MACRO OR MAJORPLUS

REGULATION WITH
PLASTIC KNOB ON REQUEST

4B

HIGH PRESSURE GAUGE

1G

2G

LOW PRESSURE GAUGE

5G

4G

3G

8o

7/16" (1/4 SAE)

9o

Hose connection
ø 7.2/11 mm

10o

Quick metric
connection

11o

Quick
inches connection

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MAJOR

Single food-safe pressure regulator for any size of rechargeable 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 quick coupling fitting for 6mm outlet piping. (Other outlet connections to be ordered separately are available on page 27).
- 40mm diameter pressure gauges
- Individual packaging

3 // 4.8 // 5.5 bar

Upon request we supply the regulator with gas connections not in the catalogue

USE

Particularly suitable for **household water** carbonating systems. With the Major pressure regulator 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.

MAJOR CO_2

CALIBRATION **3 / 4.8 / 5.5 BAR**

3 different pressures are provided for in the version for CO_2:

- P2=3 bar
- P2=4.8 bar
- P2=5.5 bar

Each pressure regulator 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.

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

TO ASSEMBLE YOUR MAJOR
SEE PAGE 21

CHOOSE YOUR PRESSURE REGULATOR MAJOR

1 Kind of gas (☑): ☐ CO_2 ☐ 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 14

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 metric connection

2o

Quick inches connection

3o

Hose connection ø 6.5/7.3mm

4o

Ball valve

5o

7/16” (1/4 SAE)

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MINOR

Compact, professional pressure regulators for disposable CO_2 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 versions with **M11x1 or ACME or W21.8** connection.
- Supplied with quick coupling in resin ideal for applications with food gases, products or liquids fitting for 6mm outlet piping. (Other outlet connections to be ordered separately are available on page 27).
- Vertical pressure adjustment
- 40mm diameter pressure gauges
- Individual packaging.

5.5 bar

USE

Designed for a maximum pressure of **60 ba**r (CO_2) and **110 bar** (Ar/N_2),
and an operating pressure of 5.5 bar.
Using the appropriate adapters, the Minor can also be applied to rechargeable cylinders.

VERSION WITH **ACME CONNECTION** AVAILABLE WITHOUT THE NEED TO USE ADAPTERS.

MINOR CO_2 M11X1 FITTING

CALIBRATION **5.5 BAR**

371200

These pressure regulators 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.

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

It is possible to use the Minor with connection M11x1 with ACME cylinders using the appropriate adapter (Code 490880)

MINOR CO_2 ACME FITTING

CALIBRATION **5.5 BAR**

371302.00

371202

These pressure regulators for ACME cylinders are suitable for manual carbonation devices. The peculiarity is the ACME fitting that is obtained directly from the manufactory of the regulator's body so that is possible to avoid adding the connection.The reduced dimensions make the regulator suitable for usage in small spaces It also has a quick connection for ø 6mm hose (food-safe).
Oxyturbo, always focused on the end-user, created a version with the handle to guarantee a higher lever during the screwing and unscrewing of the regulator to the cylinder.

CODE	Description	Cylinder thread	H.P. gauge (bar)	L.P. gauge (bar)	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
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	16	41 x 36 x 24	14.00
371302.00	MINOR CO_2 L.P. gauge	ACME	-	0-10	0.45	24	45.5x30.5x17	11.30

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

MINOR CO_2 W21.8 FITTING

CALIBRATION **5.5 BAR**

Pressure regulator for small-size rechargeable cylinders. It has a side connection and a front control that allows easy adjustment up to 5.5 bar. The set pressure can be read on the low-pressure gauge. It can only be supplied with a low-pressure gauge.

CODE	Description	Cylinder thread	H.P. gauge (bar)	L.P. gauge (bar)	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
381309.00	MINOR CO_2 L.P. gauge	W21.8	-	0-10	0.50	16	41 x 36 x 24	9.00

It is possible to use the Minor with connection W21.8 with disposable cylinders M11x1 through the adaptor code 490783 or with ACME cylinders through adaptor code 490885.

MAJOR AND MINOR ADAPTORS

490780

490781

490880 490783

490886 490787

The adaptors allow for rechargeable cylinder installation on the carbonator on which smaller size disposable cylinders were originally installed. This also makes Minor regulator use possible with rechargeable cylinders.
The adaptor with a nylon gasket is best suited for continuous regulator use.
Also available with an adaptor for Minor M11x1 use on ACME cylinders and 5/8" – 18UNF and vice versa.

CODE	Description	Weight (kg)	No.Pcs.
490780	Adapter M11x1rhe-W21,8rhi with nylon gasket for Minor	0.097	1
490781	Adapter M11x1rhe-W21,8rhi with O-Ring for Minor	0.100	1
490880	Adapter M11x1rhe h=7,5- ACMErhi for Minor	0.066	1
490783	Adapter W21,8rhe-M11x1rhi for Major	0.065	1
490885	Adapter W21,8rhe-ACMErhi for Major	0.098	1
490886	Adapter 5/8"-18UNFrhe-ACMErhi	0.080	1
490887	Adapter 5/8"-18UNFrhe-W21,8rhi	0.086	1
490786	Adapter ACMErhe-M11x1rhi for Minor	0.057	1
490787	Adapter ACMErhe-W21,8rhi-W21,8rhi for Minor	0.095	1

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

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MINIMAL

Compact pressure regulator without gauges for disposable and rechargeable CO_2 cylinders, ideal for carbonating water for domestic users.

FEATURES

- Compact dimensions that facilitate installation even in the smallest domestic dispensers
- Body and cover in nickel-plated brass
- Easy and precise pressure adjustment, readable by means of a graduated bar/psi scale label applied to the cover instead of the low pressure gauge.
- Cylinder pressure gauge not present
- Internal brass piston system which allows greater precision and stability of the regulated pressure
- Conversion adapters to rechargeable cylinders for disposable versions
- Individual packing

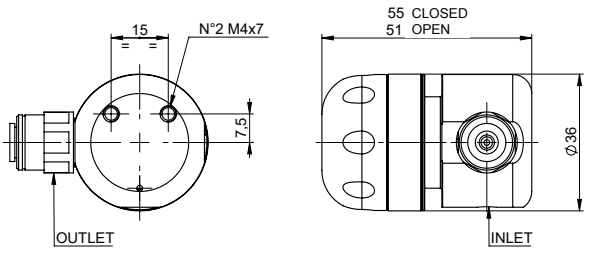
5.5 bar

Upon request we supply the regulator with gas connections not in the catalogue

USE

Designed for a maximum pressure of **60 bar** (CO_2) and **110 bar** (Ar/N_2), an adjustable operating pressure from **0 to 5.5 bar** and a maximum flow rate of 7000 nl/h at 5.5 bar.
Using the appropriate adapters, the Minimal
can also be applied to rechargeable cylinders.

THERE ARE 2 M4 THREADED HOLES ON THE BACK
AT 15mm INTERAXLE SPACING FOR POSSIBLE FASTENING



MINIMAL FOR DISPOSABLE CYLINDERS

CALIBRATION **5.5 BAR**

Pressure regulator for carbonating water with connection for disposable CO_2 cylinders (M11X1 connection).
Its particularly small dimensions make it suitable for easy installation both in dispensers under the sink at home and in water dispensers with water cylinders in the office. It allows to always have sparkling water available while saving time and effort and with an eye to the environment.
The graduated scale makes it easy to adjust the pressure from 0 to 5.5 bar to achieve the desired degree of carbonation.

CODE	Cylinder connection	Outlet	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
2302000	M11x1	Quick coupling Ø 6 mm	0.34	24	45.5 x 30.5 x 17	8.30
2302060	M11x1	Hose connection Ø 6/4	0.37	24	45.5 x 30.5 x 17	9.00
2302090	M11x1	G1/8F	0.33	24	45.5 x 30.5 x 17	8.10

ADAPTORS

These adapters allow the Minimal regulator with disposable cylinder connection to be used with rechargeable cylinders and ACME cylinders as well.

CODE	Description	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
490780	M11x1 – W21.7x1/14" with nylon gasket	0.097	25	33 x 13.5 x 22	2.50
490781	M11x1 – W21.7x1/14" with O.Ring	0.100	25	33 x 13.5 x 22	2.60
490880	M11x1 – ACME	0.066	140	35 x 19 x 17.5	9.30

MINIMAL FOR RECHARGEABLE CYLINDERS

CALIBRATION **5.5 BAR**

Pressure regulator for carbonating water with connections for rechargeable CO_2 cylinders.
Particularly suitable for dispensers with a large consumption of carbonated water used for example in workplaces, shops, schools and places open to the public.
The graduated scale makes it easy to adjust the pressure from 0 to 5.5 bar to achieve the desired degree of carbonation.

CODE	Cylinder connection	Outlet	Weight (Kg)	No. Pcs.	Pack. Dim. (cm)	Pack. Weight (Kg)
2302005	W21.7x1/14"	Quick coupling ø 6 mm	0.56	24	45.5 x 30.5 x 17	13.50
2302065	W21.7x1/14"	Hose connection ø 6/4	0.58	24	45.5 x 30.5 x 17	14.10
2302095	W21.7x1/14"	G1/8F	0.54	24	45.5 x 30.5 x 17	13.10
2302002	ACME	Quick coupling ø 6 mm	0.52	24	45.5 x 30.5 x 17	12.60
2302062	ACME	Hose connection ø 6/4	0.54	24	45.5 x 30.5 x 17	13.10
2302092	ACME	G1/8F	0.50	24	45.5 x 30.5 x 17	12.15

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

SPECIAL APPLICATIONS

MAJORMIX / MINORMIX

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

Majormix

Minormix

The Oxyturbo range also includes dual-sampling station regulators (regulator and pre-regulator) with sensitive and more stable pressure adjustment from 0.2 to 0.5 bar on the second station. Both regulators are supplied with a ball valve and 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.

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
		CO_2 HIGH PRESSURE				
Q5020104I	MASTER-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
		CO_2 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	MASTER-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	MASTER-MACRO-MAJORPLUS	HIGH	50	G1/4-R	0-400	300
		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.
D09430011	Pressure gauge gasket G1/8 100 pcs.	1
D0943002I	Pressure gauge gasket G1/4 100 pcs.	1

OUTLET CONNECTIONS

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

C1198419

C2018402

C2008403

C1198402

G4609000

G4609002

C1098000

S2799000

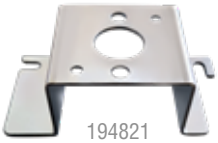
CODE	Description	No.Pcs.
MACRO - MAJORPLUS		
C1198402	7/16"– 20 UNF (1/4 SAE) fitting with duck bill*	1
C1138400	G1/2 fitting	1
C1198414	G1/4 fitting	1
C1148400	G3/4 fitting	1
C1198403	G5/8 fitting	1
C1098003	Quick G1/4 connection – hose Ø 6mm	1
C1098009	Quick G1/4 connection – hose Ø 8mm	1
C1098011	Quick G1/4 connection - hose G3/8 inch.	1
C2018402	Hose connection ø 7.2/11mm with duck bill*	1
G4609000	Ball valve M/F – G1/4	1
C1149002	Ball valve M/F with G3/4 fitting assembled	1
C1198419	Y fitting G1/4	1
C1149003	Y assembly with 2 ball valves and 2 G3/4 fittings	1
C2019001	Y assembly with 2 ball valves and 2 hose holders with duck bill*	1
S2799000	Complete duck bill*	1
MAJOR - MINOR		1
C1098004	Quick G1/8 - hose ø 4mm	1
C1098000	Quick G1/8 - hose ø 6mm	1
C1098006	Quick G1/8 - hose ø 8mm	1
C1098001	Quick G1/8 - hose G1/4 inch.	1
C1098007	Quick G1/8 - hose G5/16 inch.	1
C2008403	Hose connection ø 6.5/7.3mm	1
C1198408	7/16" – 20 UNF (1/4 SAE) fitting with duck bill*	1
G4609002	Ball valve M/F – G1/8	1

*** The use of a duck bill valve is recommended to avoid the return of unwanted gas or liquid flow.**

ACCESSORIES FOR MACRO AND MAJORPLUS

194810

194820



194821

CODE	Description	Weight (kg)	No.Pcs.
194810	Double ring spanner size CH28 – CH30	0.10	1
194811	Double ring spanner size CH28 – CH32	0.09	1
194812	Double ring spanner size CH30 – CH32	0.10	1
194820	Stainless steel bracket kit for MAJORPLUS wall mounting	0.05	1
194821	Stainless steel bracket kit for MASTER wall mounting	0.05	1
C1999471	CO_2 manifold 2 way splitter 7/16"Rhe and duck bill valve. Inlet 7/16"Rhi	0.22	1
C1999472	CO_2 manifold 4 way splitter 7/16"Rhe and duck bill valve. Inlet 7/16"Rhi	0.42	1
C1999470	CO_2 manifold 6 way splitter 7/16"Rhe and duck bill valve. Inlet 7/16"Rhi	0.61	1
C1999954	CO_2 manifold 4 way splitter with hose connection and duck bill valve	0.87	1

C1999471

C1999472

C1999470

C1999954

SAFETY VALVES

R7539977.00

R7539978.00

A series of pre-calibrated safety valves with G1/4 connection to be used both as spare parts for pressure regulators and installations. Available with 3 - 4 - 4.8 and 7 bar settings.

CODE	Description	Connection	Weight (kg)	No.Pcs.
R7539975.00	Safety valve 3 bar	G1/4	0.05	1
R7539976.00	Safety valve 4 bar	G1/4	0.05	1
R7539977.00	Safety valve 4.8 bar	G1/4	0.05	1
R7539978.00	Safety valve 7 bar	G1/4	0.05	1

HIGH PRESSURE PIPING FOR MACRO AND MAJOR

Double textile braid hoses with Food Grade thermoplastic polyester interior. Microperforated abrasion-resistant extruded polyurethane cover with GCS (Glued Cover System).

> Inner diameter: 1⁄4' - 6.6 mm;
> Outer diameter: 12.8 mm;
> Maximum working pressure: 300bar;
> Minimum burst pressure: 1000bar;
> Test pressure: 600bar.

Upon request we supply the piping with gas connections not in the catalogue

CODE	Description	Weight (kg)	No.Pcs.
9F001000	High pressure food-grade piping for CO_2 regulator L=100 cm (manual unscrewing)	0.82	1
9F001800	High pressure food-grade piping for CO_2 regulator L=180 cm (manual unscrewing)	0.80	1
9F011000	High pressure food-grade piping for N_2 regulator L=100 cm	0.52	1
9F011800	High pressure food-grade piping for N_2 regulator L=180 cm	0.60	1

BREWTOOLS FOR TANKS AND KEGS

C1999478

C1999476.00

Oxyturbo also offers a range of accessories for tanks and kegs, such as spunding valves with a 2.5 bar pressure gauge to maintain enough pressure in the fermenter to carbonate the beer, keg filling valve assemblies that also allow fermenters to ferment beer under pressure and cool it down before transferring it to a keg, or ball locks for gases and liquids. With the spunding valve, natural carbonation can be achieved in the fermenter. The valve is adjusted to the correct pressure based on the desired degree of carbonation. It is a necessary tool, for example, when pouring beer between two kegs.

CODE	Description	Connection	Weight (kg)	No.Pcs.
C1999478	Spunding Valve	7/16"-20UNF (1/4 SAE)	0.24	1
C1999476.00	Discharge and check valve group	G5/8	0.84	1
479900	Discharge and check valve	G5/8	0.22	1
411100	Ball lock disconnect light grey for gas	7/16"-20UNF (1/4 SAE)	0.04	1
411101	Ball lock disconnect black for liquid	7/16"-20UNF (1/4 SAE)	0.04	1

479900

411100

411101

ACCESSORIES FOR WALL MOUNTING OF HIGH PRESSURE CONNECTIONS

C1999490.00

C1999492.00

The base has dimensions 90x90 mm and is made of stainless steel. These panels must be wall-mounted and are designed for high-pressure connections.
Available with two or three connections.

CODE	Description	Connection	Weight (kg)	No.Pcs.
C1999490.00	Panel for two HP CO_2 connections	W21.8 x 1/14"	0.67	1
C1999493.00	Panel for two HP N_2 connections	W24.32 x 1/14"	0.66	1
C1999491.00	Panel for three HP CO_2 connections	W21.8 x 1/14"	0.64	1
C1999492.00	Panel for three HP N_2 connections	W24.32 x 1/14"	0.69	1

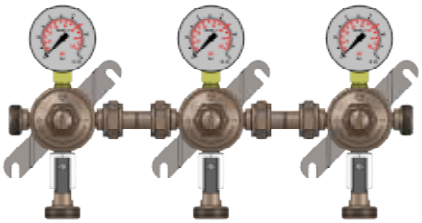
WALL MOUNTED CONTROL KITS

Useful instruments for checking CO_2 and nitrogen pressure in the line.

CODE	Description	Connection	Weight (kg)	No.Pcs.
490100	Control kit 3 bar	G5/8	0.17	1
490101	Control kit 7 bar	G5/8	0.17	1

EXTENSIONS FOR CONNECTING INTERMEDIATE PRESSURE REGULATORS

C1999463.00



Extensions of different lengths for low and high pressure connection. They make it possible to create a set of intermediate pressure regulators.

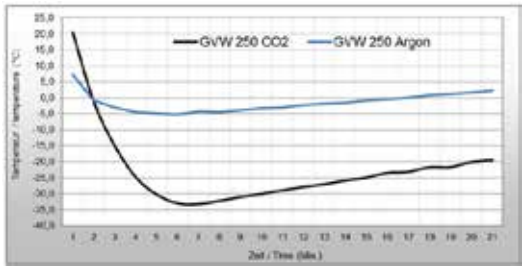
CODE	Description	Connection	Weight (kg)	No.Pcs.
C1999463.00	Extension tube L=20mm	G5/8	0.08	1
C1999040.00	Extension tube L=100mm	G5/8	0.08	1
C1999041.00	Extension tube L=200mm	G5/8	0.11	1
C1999042.00	Extension tube L=300mm	G5/8	0.14	1

DOUBLE CYLINDER CONNECTION

Connect two pressure regulators with one CO_2 cylinder to save space in your line.

CODE	Description	Connection	Weight (kg)	No.Pcs.
C1999441.00	Double connection for CO_2	W21.8x1/14"	0.45	1

PREHEATER NEW



Input connection W21.8x1/14F - Output connection W21.8x1/14M.

It enables the elimination of the 'frost effect' on inert gases, oxygen and nitrous oxide regulators and is also certified for **use in the food industry**.

It can be used either on a single gas cylinder, on a cylinder pack or in centralised distribution systems and is supplied with a socket, 2 metre cable and green light diode when switched on

P1 max: 200 bar
P2: 6 bar*
Portata: 10 Nm³/h*

CODE	Description	P1 max (bar)	P2 (bar)	Flow rate	Weight (kg)	No.Pcs.
299707	230 VOLT 250 W	200	6*	10 Nm³/h*	2.30	1

**The diagram shows the temperature curve for gas delivered from a CO_2 or Argon cylinder with constant and continuous flow regulation at 10Nm$_3$/h and 6 bar. (Room temperature 20°C).*

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	1.72	12	32 x 24 x 34	20.70
485500	Food-grade CO_2 cylinder E290 850g M11X1	2.45	12	16 X 25 X 45	14.80
484360	Food grade N_2 cylinder E941 110BAR M11X1 950 cc	1.30	12	32 x 24 x 34	15.70
485601	Food-grade CO_2 cylinder E290 M11X1 2.2 L	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 line of regulators and accessories designed and developed for passionate aquarium lovers.

Our regulators 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 CO_2 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 regulators 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 four versions:

MAJOR2 // MINOR2 // MINORMIX2 // MINIMUM

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MAJOR2

Elegant series of single body pressure regulators for aquariums, to be used with rechargeable cylinders.

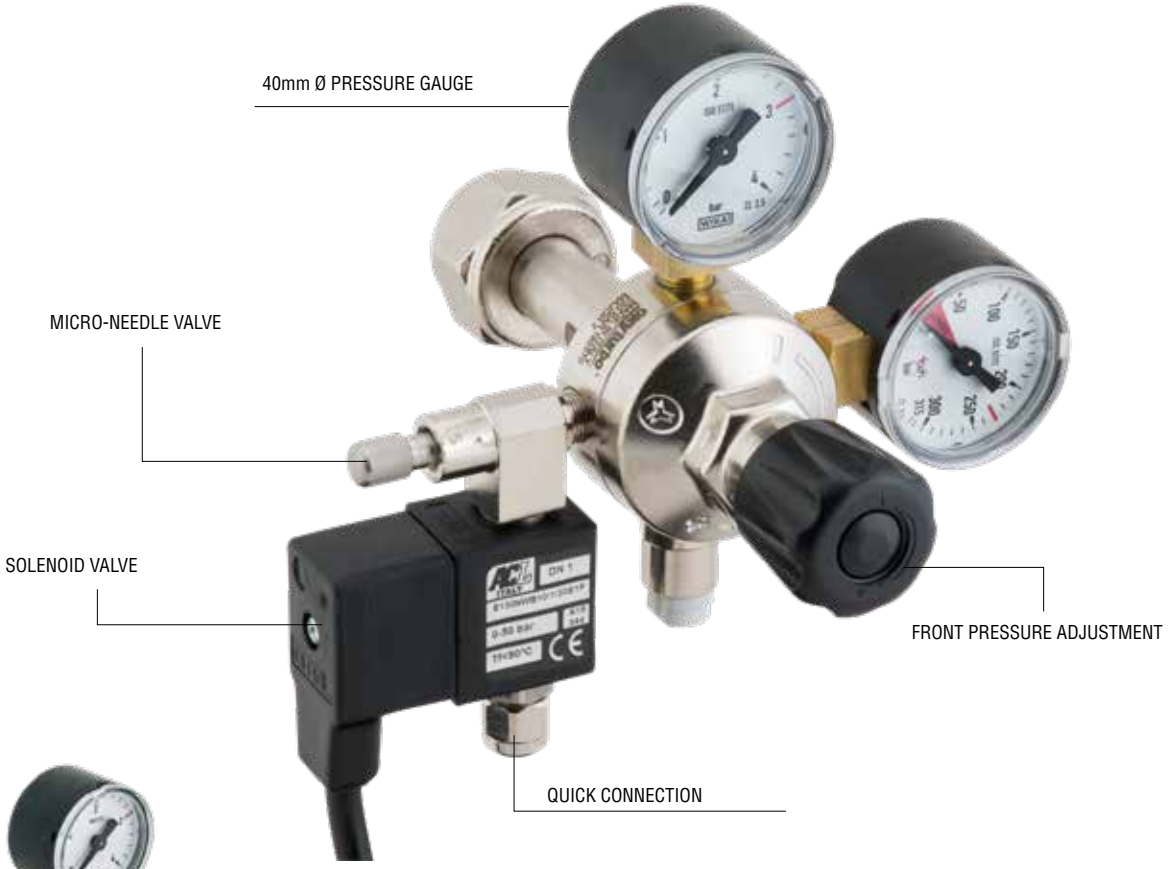
Oxyturbo, always attentive to the needs of the market, implements the series with the version **complete with mounted solenoid valve** to automate the CO_2 diffusion system.

FEATURES

Regulator with 2 pressure gauges complete with micro-needle valve and quick connection with adjustable operating pressure up to a maximum of 2 bar. Equipped with rear connection and front adjusting knob. **Upon request is available an adaptor to use on Major2 with disposable cylinders.**

USE

Made for minimum pressures and distribution, ideal for aquariums, using rechargeable CO_2 cylinders. Makes plants thriving and stabilizes optimal levels of pH and KH.



365760

CODE	Description	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack.Weight (kg)
365760	MAJOR 2 with 2 gauges and micro-needle valve with quick connection	0.65	16	41 X 36 X 24	10.60
365760.EV	MAJOR2 with 2 gauges and micro-needle valve with quick connection + solenoid valve	0.90	6	46 X 31 X 17	5.60

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MINOR2

Regulator for M10x1 disposable cylinders.

A pressure regulator with compact dimensions but very efficient performance. Also for this regulator, a version complete **with a mounted solenoid** valve is available upon request, which enables automatic CO_2 flow delivery.

FEATURES

Regulator with 2 pressure gauges complete with micro needle valve on the outlet and fitting for ø 6/4mm tube and with adjustable operating pressure up to a maximum of 2 bar.
Upon request adaptors are available to use on Minor2 with rechargeable or ACME cylinders.

USE

Made for minimum pressures and distribution, ideal for disposable cylinders aquariums using. Makes plants thriving and stabilizes optimal levels of pH and KH

NEW

375761.EV

CODE	Description	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack.Weight (kg)
375761	MINOR2 with 2 gauges, **vertical adjustment** knob and micro-needle valve with quick connection	0.49	16	41 X 36 X 24	8.00
375761.EV	MINOR2 with 2 gauges, **vertical adjustment** knob and micro-needle valve + solenoid valve with quick connection	0.75	16	41 X 36 X 24	12.20

EN ISO 2503

SK approved in accordance with DIN 6650

WARRANTY 3 YEARS

MINORMIX2

Dual-sampling station pressure regulators that allow constant and precise control of the CO_2 calibration until the refillable cylinders are empty.

The range for aquariums also includes dual-sampling station pressure regulators that guarantee greater stability of the withdrawal pressure, set following the decrease in cylinder pressure. When using pressure regulators without a dual-sampling station system, the operating pressure can increase relatively quickly and abruptly as soon as the gas filling inside the cylinder falls below 20% of the nominal filling quantity. If in this case is not carried out a manual pressure recalibration, the quantity of CO_2 supplied will increase considerably and will exceed the originally set dosage. With these regulators the calibration remains constant until the end of the cylinder pressure. If a single stage regulator were used in a 10kg cylinder, for example, about 2kg of CO_2 would need constant adjustments to the operating pressure.

FEATURES

- Minormix2 has 2 pressure gauges (high and low pressure), ø40 mm
- Complete with outlet microneedle valve and a ø6 / 4mm quick connection
- Working pressure adjustable to 2 bar.

Upon request is also available the complete version with solenoid valve and adapters for disposable cylinders.

CODE	Description	P1 bar	P2 bar	Weight (kg)	No.Pcs.	Pack. Dim. (cm)	Pack.Weight (kg)
379769	Minormix2	60	2	0.87	16	40.5 X 35.5 X 24	14.00

EN ISO 2503

WARRANTY 3 YEARS

MINIMUM

New generation pressure regulator for M10x1 disposable cylinders

FEATURES

A new piston regulator 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 regulators are concentrated in this smaller regulator. The micro-needle valve is integrated directly into the regulator body machining which allows optimal space reduction.
Also available with high pressure gauge, two pressure gauges, assembled solenoid valve and also in the M11x1 version.

USE

Suitable for self-adjusting piston technology, or rather automatically adjusts the output CO_2 at the drop of the cylinder pressure while maintaining CO_2 dispersion stable. All of this combined with the safety valve ensures maximum reliability and makes it particularly suitable for both freshwater and marine aquariums.

235161.EV

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
235000	MINIMUM M11X1	60	2	6	0.22	50	46 X 29.5 X 26	11.20
235101	MINIMUM M10X1 HP GAUGE	60	2	6	0.30	24	46 X 31 X1 7.5	7.20
235161.EV	MINIMUM M10X1 HP GAUGE+SOLENOID VALVE	60	2	6	0.53	30	41.5 X 36.5 X 25	15.90
235201.EV	MINIMUM M10X1 2 GAUGES + SOLENOID VALVE	60	2	6	0.62	16	41.5 X 36.5 X 25	10.10

SOLENOID VALVES

For precise control of CO_2 emissions in aquariums

FOR REGULATORS FOR RECHARGEABLE AND DISPOSABLE CYLINDERS

Solenoid valves allow for automatic carbon dioxide flow distribution by means of timer or control devices installed on the aquarium for more convenient CO_2 emission. This prevents strong pressures from entering into the aquarium.

Our solenoid valves are all provided with connectors and are powered at 230V - 3.5W.

CODE	Description	Weight (kg)	No. Pcs.
299900	Solenoid valve M G 1/8 – F G1/8 230V-3.5W – 0-50bar	0.30	1
299901	Solenoid valve M G 1/8 – ø 6/4 230V-3.5W – 0-50bar	0.30	1
299902	Infra-hose solenoid valve ø 6/4 230V-3.5W – 0-50bar	0.30	1

299900

299902

299901

DISTRIBUTORS

Distributors with 2 or 3 outlets allow multiple distribution of CO_2 in several aquariums. They are equipped with micro-needle valves and Ø 6/4 mm compression fittings on each outlet. Also available with a non-return valve (VNR) on each outlet.

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

G2809410

G2809411

G2809415

G2809416

MICRO NEEDLE VALVE

G2509903

C1098402

G2509014

Thanks to 20 years of experience in the industry, our micro needle valves allow precise control of the delivery thanks to a special cone made of AISI 304 steel.

CODE	Description	Weight (kg)	No.Pcs.
G2509903	Micro-needle valve	0.05	1
C1098402	Quick connection for ø 6/4mm hose complete with gasket	0.02	1
S2199420	Non return valve with hose connection ø 6/4mm.	0.03	1

Assembled micro needle valve

CODE	Description	Weight (kg)	No.Pcs.
G2509010	Micro-needle valve + hose connection ø 6,5mm	0,054	1
G2509011	Micro-needle valve + non return valve with hose connection ø 5,5mm	0,068	1
G2509013	Micro-needle valve + quick 1/8" hose connection ø 6mm	0,045	1
G2509014	Micro-needle valve + quick hose connection ø 6/4mm	0,060	1
G2509016	Micro-needle valve + non return valve with hose connection ø 6/4mm	0,075	1

*VNR= Non return valve

ADAPTERS

490981

490881

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

AQUARIUM GAUGES

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
CO_2 HIGH PRESSURE						
Q4020100I	MAJOR2	HIGH	40	G1/8-R	0-315	230
Q4020100I	MINOR2	HIGH	40	G1/8-R	0-315	230
Q4020100I	MINORMIX2	HIGH	40	G1/8-R	0-315	230
Q4020100I	MINIMUM	HIGH	40	G1/8-R	0-315	230
CO_2 LOW PRESSURE						
Q4040100I	MAJOR2	LOW	40	G1/8-R	0-4	3
Q4040100I	MINOR2	LOW	40	G1/8-R	0-4	3
Q4040100I	MINORMIX2	LOW	40	G1/8-R	0-4	3
Q4040100I	MINIMUM	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	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.

WARRANTY 3 YEARS

MAJORFLY

The practical, fast way to inflate your balloons.

Oxyturbo offers a new helium regulator 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 rechargeable cylinder connection. It is available also with an air gun, easily connectable to the second low pressure opening of the regulator. The second opening is easily accessible disassembling the safety brass plug.

FEATURES

- Body and cover machined directly from brass bar
- 40 mm diameter high pressure gauge
- Quick but progressive opening thanks to the rubber dispenser
- The air gun should be connected after removing the safety brass plug
- Calibration fixed at 5.5 bar

459560

R6398001

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

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
459560	Spiral kit 6m ø8x5 with air gun	0.50	6	23 x 25 x 12	3.80
R6398001	Rubber dispenser complete with connection	0.009	1	-	-

CYLINDERS FOR HELIUM

487400

These are cylinders filled with helium gas, M10x1 connection and are supplied in 2 versions:
- 950 ml cylinder - 110 bar complete with 2 dispensers
- 2.2 litre cylinder - 110 bar complete with 2 dispensers, support and a pack of 30 balloons with the corresponding ribbon.

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 regulator 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**

EN ISO 2503

WARRANTY 3 YEARS

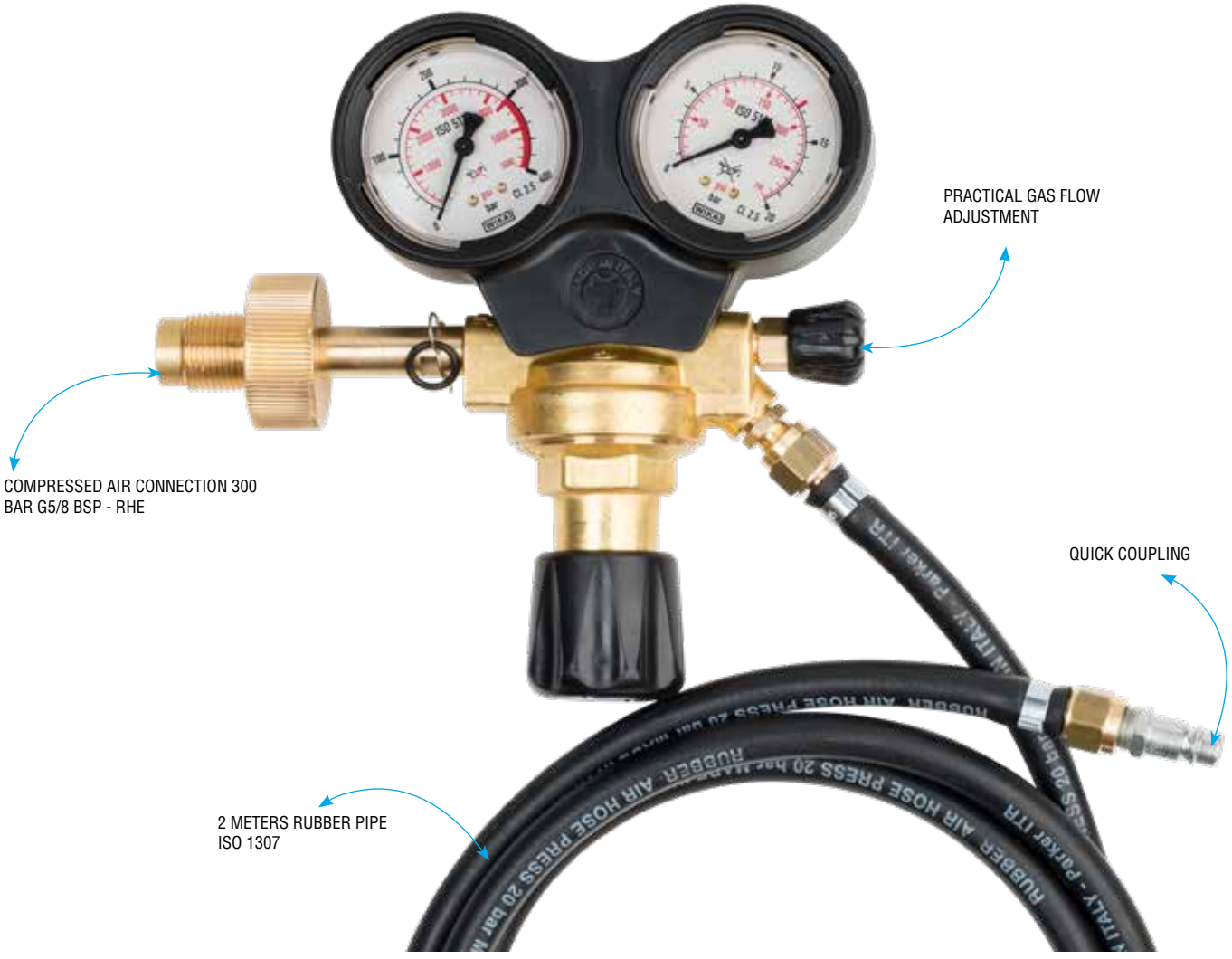
MAXY LIFT

Power system for emergency interventions.

FEATURES

This kit includes: a MAXY POWER CONTROL pressure regulator 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 regulator 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 regulator 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 regulator **2.10 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **12.80 Kg**

EN ISO 2503

WARRANTY 3 YEARS

MAXY PLUS

Regulator for pressurising fire extinguishers.

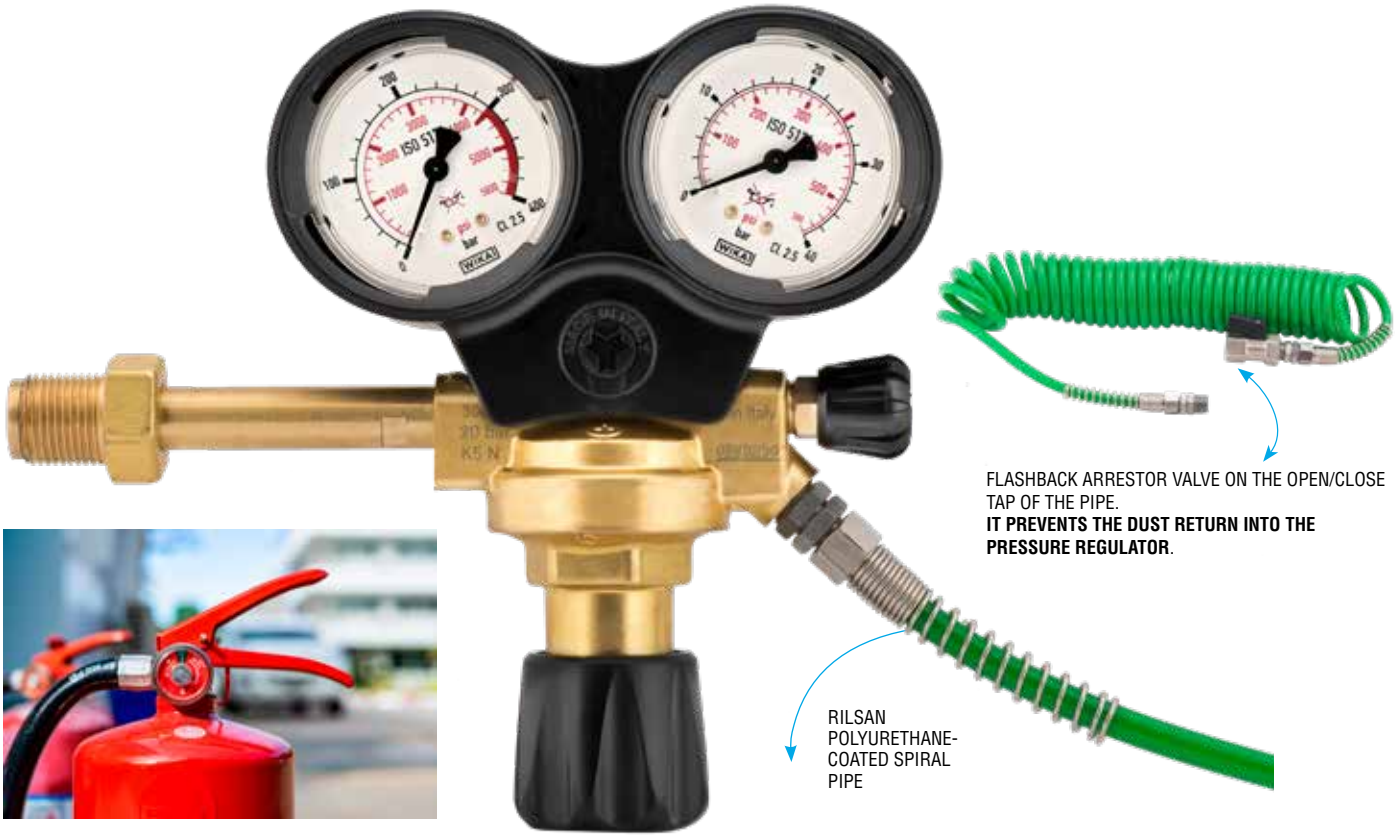
Standard UNI 9994 describes 4 maintenance stages for fire extinguishers (surveillance, control, revision, and final testing) and indicates the frequency with which they must be carried out. Maintenance technicians must always have a pressure regulator at hand to pressurise fire extinguishers with nitrogen.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



K pressure regulator 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 regulator **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

To light fires quickly and safely.

It is a practical and safe solution to ignite the flame of various types of fires such as the flame of the fire simulator tank, fireplaces, stoves and barbecues.
They all have a convenient built-in piezoelectric ignition and are available with 2 different lengths of rods to adapt to different usage needs. They are also equipped with a practical non-slip handle to allow the operator a secure grip.

FEATURES

- 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.

BIOFLAMME

With Ø 25 mm dart burner and 755 mm long rod.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
571855	Ignition rod with 1 330g gas cartridge on flat carton	1.40	10	80.5 x 38 x 23	14.20

EASYFLAMME

Handy and small, with Ø 25 mm dart burner and 347 mm long rod.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
571760	Ignition rod with 1 210g gas cartridge	0.70	15	62 x 25 x 42.5	10.65

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
483100	Propane/butane 40/60 gas cartridge 210g	0.32	24	42 x 29 x 20	7.70

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 the pressure regulators **MEGA HP** and **MAJOR HP** and a series of dedicated products.

Kits in the case for car workshops:
KLYMA KIT 900 AUTOMOTIVE / ELECTRONIC GAS LEAK DETECTOR

Kits in the case for air conditioning system checks:
KLYMA KIT 1000 / KLYMA KIT 900 / KLYMA KIT 800 / KLYMA KIT 4000

Kits in the cart:
KLYMA KIT 4500 / KLYMA KIT 5000

Completes the range the **WASHING KIT** for the internal cleaning of the pipes and a collection of useful spare parts.

EN ISO 2503

WARRANTY 3 YEARS

MEGA HP200

Nitrogen regulator (0-200 bar) fits for preventive leak testing and piping cleaning for R744 systems (CO_2).

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 regulator is suitable for verification and maintenance of this system.**

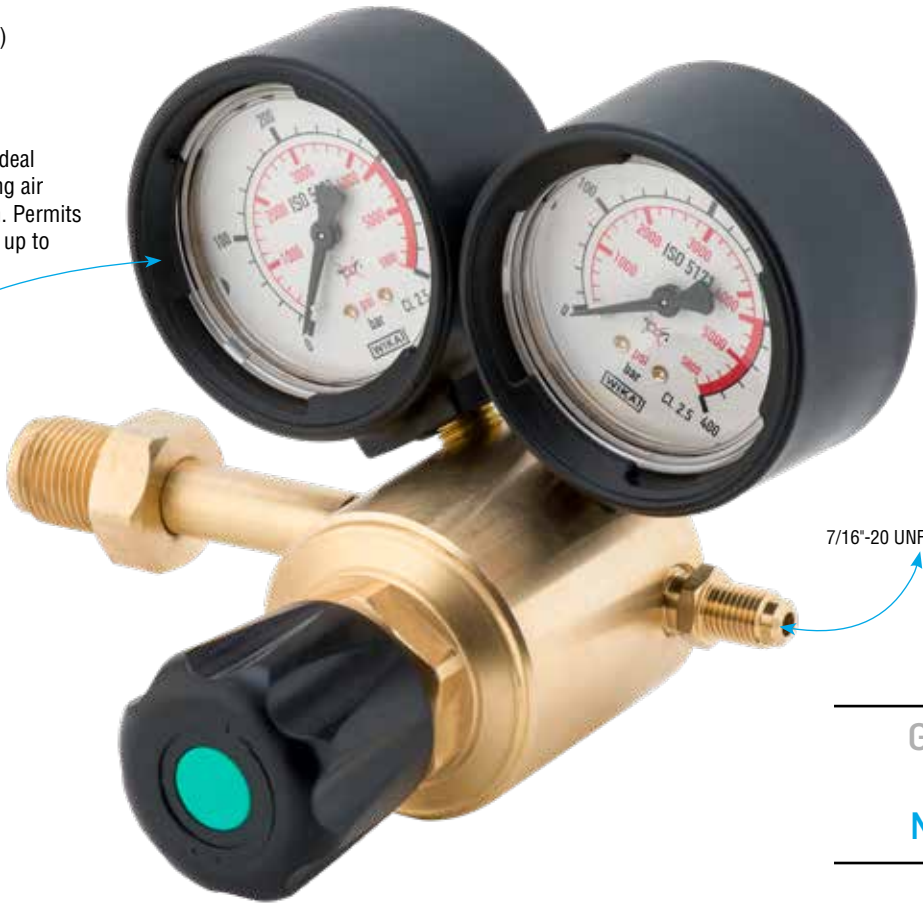
Upon request we supply the regulator with gas connections not in the catalogue

FEATURES

- Body and cover machined directly from brass bar
- Front adjusting knob
- Two Ø 63mm pressure gauges 0-400 bar
- Outlet pressure 200 bar
- Outlet fitting 7/16"-20 UNF (1/4 SAE)

USE

Available in the version for nitrogen, ideal for checking the tightness and cleaning air conditioning systems, and for oxygen. Permits use of nitrogen with an inlet pressure up to 300 bar and enables **outlet supply > 300 m³/h at 200 bar**.



Ø 63mm PRESSURE GAUGES SUPPLIED WITH PROTECTIVE CAP

7/16"-20 UNF (1/4 SAE)

GAS USED:
OXYGEN
NITROGEN

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
OXYGEN	290200HP	290201HP	290203HP	290203HP	290203HP	290200HP	290203HP	290205HP
NITROGEN	294200HP	294209HP	294203HP	294202HP	2942049HP	294204HP	294202HP	294205HP

Weight of pressure regulator **2.20 Kg** - No. Pcs 4 - Packaging dimensions (l x w x h) **45.5 x 30.5 x 17 cm** - Packaging weight **8.80 Kg**

EN ISO 2503

WARRANTY 3 YEARS

MAJOR HP

The professional regulator for your conditioning system.

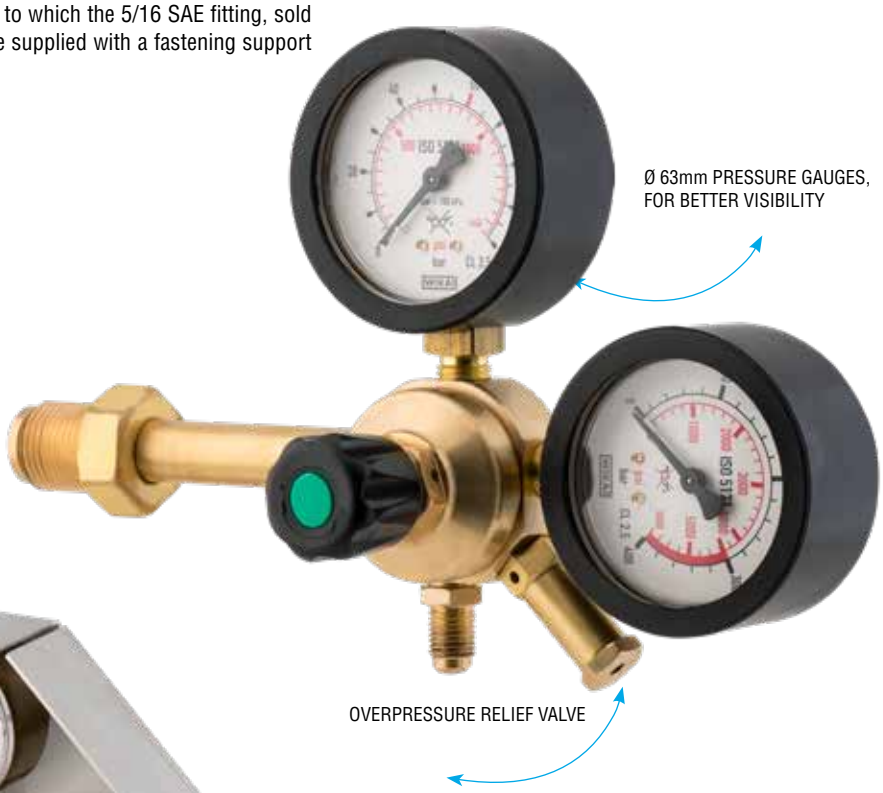
The new Major HP professional regulator is ideal for use with nitrogen air conditioning system testing. Practical, small and handy, the regulator is supplied with 2 63mm diameter pressure gauges and a 1/4 SAE outlet fitting to which the 5/16 SAE fitting, sold separately, can be attached. The Major HP 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
- Outlet fitting 7/16"-20 UNF (1/4 SAE)

USE

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



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.

ARMOURED
MAJOR HP 60BAR

GAS USED:
NITROGEN
AZOIDRO*

***95% NITROGEN - 5% HYDROGEN**

APPROVED UP TO **300 BAR**

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	394221	394222	394225
Weight of pressure regulator **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	394221.99	394222.99	394225.99
Weight of pressure regulator **1.20 Kg** - No.Pcs. **6** - Packaging dimensions (l x w x h) **53 x 25 x 37 cm** - Packaging weight **7.50 Kg**								

FOR HVAC/AUTOMOTIVE

KLYMA KIT 900
AUTOMOTIVE

A new line of kits with Azoidro designed for verification and maintenance of the air conditioning systems in the automotive sector, available in versions with or without an electronic leak detector.

Oxyturbo offers a complete range of all the elements to allow you to test the car's climate control circuits. This equipment, packed in handy and lightweight cases, is suitable for the detection of refrigerant leaks in A/C systems using an eco- friendly and non-flammable gas mixture (**Azoidro = 95% Nitrogen / 5% Hydrogen**).

MAJOR HP 60 bar

The quick connections in the kit enable its application with old and new systems

KLYMA KIT 900 AUTOMOTIVE COMPLET

A polypropylene case containing everything necessary for checking the air conditioning system of a car. In addition to the handy **electronic leak detector**, it contains a 2.2 litre azoidro cylinder, a Major HP pressure regulator with a flow rate of 50 m³/h at a pressure of 60 bar, and two high and low pressure valves with quick connection. Included you can find the **batteries** and a and a **container for leak detection check**.

EQUIPPED WITH:

- MAJOR HP 60 bar pressure regulator
- Disposable azoidro cylinder 2.2 litres – 110 bar
- Pressure gauge ø 80 mm class 1.0 with pipe and valve
- Flexible hose 1/4 SAE, L=2500 mm
- Adapter W21.8 F - M10x1 F
- Kit 1/4 SAE F – 5/16 SAE M fittings
- 1/4 SAE M – 5/16 SAE F fitting
- Universal electronic leak detector
- Batteries for universal electronic leak detector
- HP 1/4 SAE R134 A quick coupler
- HP 1/4 SAE – R1234 YF quick coupler
- M12X1.5 M - 1/4 SAE M adaptor

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLYMA KIT 900 AUTOMOTIVE C.	KK900AC	KK900AC.DE	KK900AC.GB	KK900AC.FR	KK900AC.NL	KK900AC.DE	KK900AC.FR	KK900AC.US

Weight of kit **7.00 kg** - No.Pcs. **1** - packaging dimensions (l x w x h) **53.5 X 43.5 X 15.5 cm** - packaging weight **7.20 kg**

KLYMA KIT 900 AUTOMOTIVE

A polypropylene case containing everything necessary for checking the air conditioning system of a car. The equipment it contains performs a leak test of the system. The case is also designed to contain, if required, a 2.2-litre azoidro cylinder (supplied separately) instead of the 1-litre version simply by removing a part of the internal casing. The Major HP pressure regulator has a flow rate of 50 m3/h at a pressure of 60 bar.

EQUIPPED WITH:

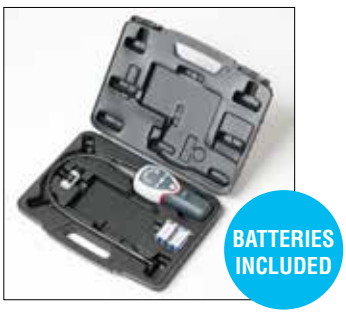
-MAJOR HP 60 bar pressure regulator
- Disposable azoidro cylinder 1litre – 110 bar
- Pressure gauge ø 80 mm class 1.0 with pipe
- Flexible hose 1/4 SAE, L=2500 mm
- Adapter W21.8F - M10x1 F
- Kit 1/4 SAE F – 5/16 SAE M fittings
- 1/4 SAE M – 5/16 SAE F fitting
- HP 1/4 SAE – R134 A quick coupler
- HP M12x1.5 – R1234 YF quick coupler
- M12x1.5M - 1/4 SAE M reduction adaptor

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA US
KLYMA KIT 900 AUTOMOTIVE	KK900I	KK900I.DE	KK900I.GB	KK900I.FR	KK900I.NL	KK900I.DE	KK900I.FR	KK900I.US

Weight of kit 4.80 **kg** - No.Pcs. **1** - packaging dimensions (l x w x h) **53.5 X 43.5 X 15.5 cm** - packaging weight **5.00 kg**

KLYMA KIT 007 - LEAK TESTER

Klyma Kit 007 is a universal electronic leak detector designed to detect not only a mixture of azoidro but also a number of refrigerant gases (R134A – R404A – R407C – R410A – R22 – R1234yf, etc.) that guarantees the detection of leakages of less than 5 ppm (2g/year).
Powered by 4 AA alkaline batteries (6V DC) **included**. It has 3 sensitivity levels with a three-colour LED indicator bar and a battery status indicator which lasts approximately 7 hours with normal use.
The reduced heating time (approx. 45 seconds) and the practical ergonomic handle make it easy to use.
Supplied in a convenient plastic case for storage and transportation, **including batteries and a cylinder for leakage detection**.



Sensor life: about 2000 hours with normal use.
It is not recommended to work with the sensor in direct contact with the refrigerant gas to avoid damaging it.

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
KK007	Klyma Kit 007 - Leak tester	1.00	1	33X25X7	1.00
KK007.SENS	Replacement sensor	0.002	1	-	-

KK007.SENS

FOR HVAC/AUTOMOTIVE

KLYMA KIT

HVAC and A/C

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

REGULATORS BUILT ACCORDING TO
EN ISO 2503

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

MAXYMUM 60 bar

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 regulator has a flow rate of 150 m^3/h at a pressure of 60 bar.
For further technical information on the regulator (see page 87).

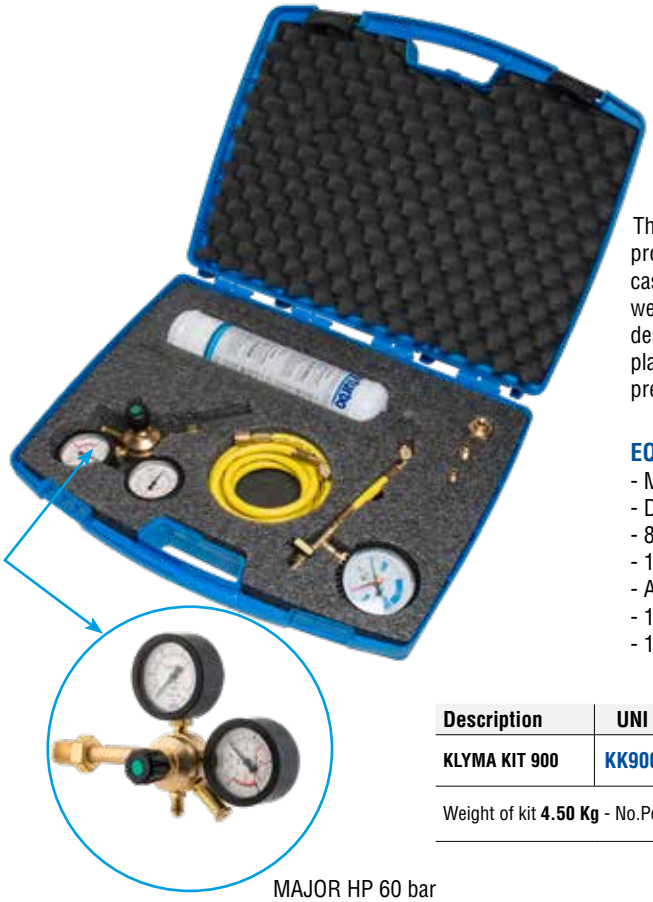
EQUIPPED WITH:

- MAXYMUM 60 bar nitrogen pressure regulator
- Disposable 1L / 110 bar nitrogen cylinder
- 80 mm diameter, class 1.0 pressure gauge
- 1/4 SAE, 2500 mm flexible hose
- Adapter for disposable cylinder W21.8 F - M10x1 F
- 1/4 SAE F - 5/16 SAE M adapter
- 1/4 SAE M - 5/16 SAE F adapter.

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**

KLYMA KIT 900



MAJOR HP 60 bar

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 regulator has a flow rate of 50 m3/h at a pressure of 60 bar.

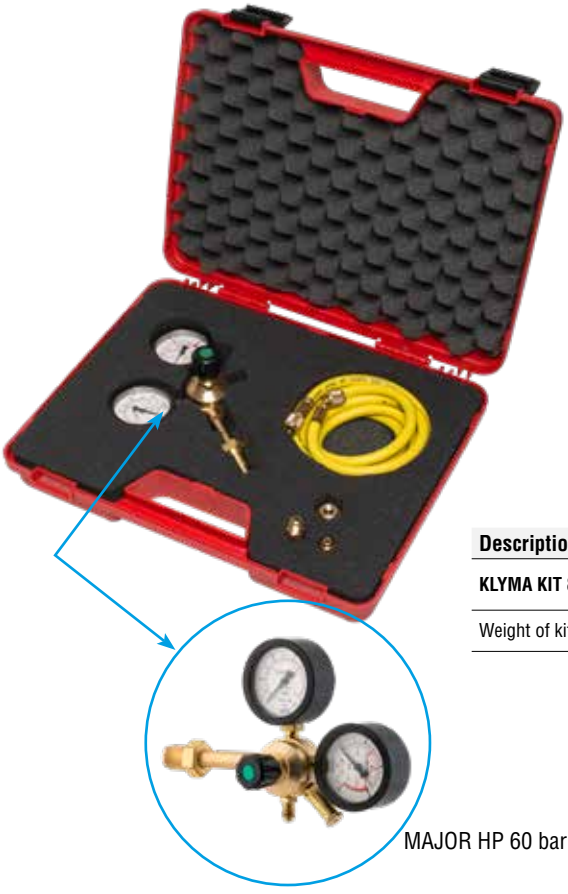
EQUIPPED WITH:

- MAJOR HP 60 bar nitrogen pressure regulator
- 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 W21.8 F - M10x1 F
- 1/4 SAE F - 5/16 SAE M adapter
- 1/4 SAE M - 5/16 SAE F adapter

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



MAJOR HP 60 bar

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 regulator has a flow rate of 50 m^3/h at a pressure of 60 bar.

EQUIPPED WITH:

- MAJOR HP 60 bar nitrogen pressure regulator
- 1/4 SAE, 2500 mm flexible hose
- Adapter for disposable cylinder W21.8 F - M10x1 F
- 5/16 SAE F - 1/4 SAE M adapter
- 5/16 SAE M - 1/4 SAE F adapter

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 4000

MAJOR HP 60 bar

Kit in polypropylene case to have everything needed close at hand for the testing and filling of HVAC and A/C systems. It contains a MAJOR HP 60 bar regulator and a series of accessories for use with a rechargeable nitrogen or azoidro cylinder. (Azoidro = 95% N_2, 5% H_2)

EQUIPPED WITH:
- MAJOR HP 60 bar nitrogen pressure regulator
- Pressure gauge ø 80mm class 1.0 connected with pipe and valve
- 1/4 SAE flexible hose, L=2500mm
- Adapter 5/16 SAE F - 1/4 SAE M

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLYMA KIT 4000	KK4000	KK4000.DE	KK4000.GB	KK4000.FR	KK4000.NL	KK4000.DE	KK4000.FR	KK4000.US

Weight of kit **2.80 kg** – No.Pcs. **1** – packaging dimensions (l x w x h) **34 X 13.5 X 29.5 cm** – packaging weight **3.00 kg**

KLYMA KIT 4500

A practical kit for testing air conditioning systems in a wheeled trolley essential for easily transporting the 5-litre cylinder of rechargeable nitrogen and the 2-litre cylinder of refrigerant gas (not included), supplied with a MAJOR HP pressure regulator with small dimensions. Also equipped with a dedicated tray for fittings and everything the user needs to have on hand.
The 5-litre nitrogen cylinder is of non-EU origin and comes with a regular certificate of conformity.

EQUIPPED WITH:
- MAJOR HP nitrogen pressure regulator
- rechargeable nitrogen cylinder 5 lt - 200 bar extra EU
- Flexible hose 1/4 SAE L=2500mm
- Pressure gauge Ø 80mm class 1.0 connected with hose and valve
- Fitting 1/4 SAE M - 5/16 SAE F

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLYMA KIT 4000	KK4500	KK4500.DE	KK4500.GB	KK4500.FR	KK4500.NL	KK4500.DE	KK4500.FR	KK4500.US

Weight of kit **14.00 Kg** – No. Pcs. 1 – Pack. Dimensions (l x w x h) **52.7 x 29.8 x 69.2 cm** – Pack. Weight **14.00 Kg**

KLYMA KIT 5000

The kit with practical trolley with wheels to easily transport with ease the 5-liter rechargeable nitrogen cylinder and the possible 2-liter refrigerant gas cylinder (not included), supplied with a MAJOR HP pressure regulator of small dimensions. Also equipped with a dedicated tray for the connections and everything the user needs to have at hand.

EQUIPPED WITH:
- MAXYMUM 60 bar nitrogen pressure regulator
- Rechargeable nitrogen cylinder 5 l - 200 bar
- Flexible hose 1/4 SAE L=2500mm
- Pressure gauge Ø 80mm class 1.0 connected with hose and valve
- Adapter fitting W21.8 F - M10x1 F
- Fitting kit 1/4 SAE F - 5/16 SAE M
- Fitting kit 1/4 SAE M - 5/16 SAE F

Description	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
KLIMA KIT 5000	KK5000	KK5000.DE	KK5000.GB	KK5000.FR	KK5000.NL	KK5000.DE	KK5000.FR	KK5000.US

Weight of kit **14.00 Kg** – No. Pcs. 1 – Pack. Dimensions (l x w x h) **52.7 x 29.8 x 69.2 cm** – Pack. Weight **14.00 Kg**

FOR CONDITIONING

WASHING KIT

Practical kit containing all the equipment you'll need for internal washing of air conditioning systems.

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 M10x1right nitrogen pressure regulator with 2 pressure gauges
- 1L / 110 bar disposable nitrogen cylinder
- Empty aluminium container for detergent liquid
- 6mm diameter Rilsan capillary hose for connection between cylinders
- 1/4 SAE F - 1/4 SAE F - L = 1000mm hose
- Washing gun

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
KKW900	WASHING KIT	3.0	1	41 x 29 x 22	3.0

MIGNON NITROGEN REGULATORS FOR DISPOSABLE CYLINDERS

324280

C1198408

The most compact regulators ever made for flushing air conditioning systems. Supplied with 50mm diameter easy-to-read pressure gauges to help professionals perform easy, immediate cleaning.
The Mignons are supplied with a free outlet but a 1/4 SAE outlet connection is available on request.

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

CODE	Description	Connection	Weight (kg)	No.Pcs.
C1198408	Nickel-plated connection	7/16"-20UNF (1/4 SAE) - G1/8	0.019	1

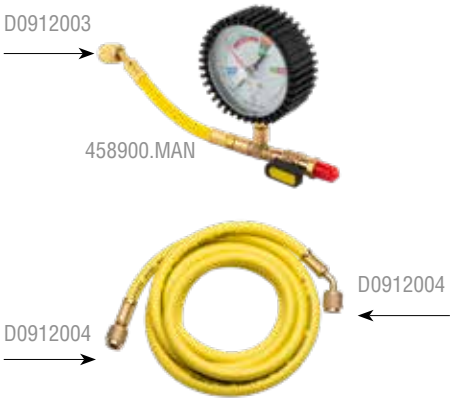
SPARE CYLINDER PARTS

The widest range of disposable and rechargeable cylinders for air conditioning system installers and maintenance workers. These days less waste is produced using the rechargeable cylinders.

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

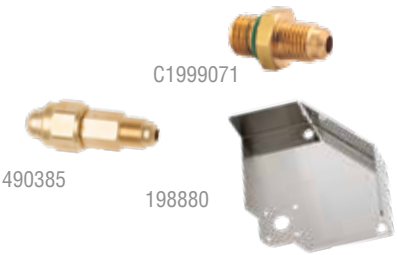
**Nitrogen 95% - Hydrogen 5%*

KLYMA KIT SPARE PARTS



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 – ¼ SAE F) flexible yellow hose	0.30	1
458901.25	2500mm (1/4 SAE F – ¼ SAE F) flexible red hose	0.30	1
458902.25	2500mm (1/4 SAE F – ¼ SAE F) flexible blue hose	0.30	1

CODE	Description	Weight (kg)	No. Pcs
411000	1/4 SAE M - R 134A High Pressure quick coupler	0.15	1
411001	1/4 SAE M - R 134A Low Pressure quick coupler	0.15	1
411002	M12x1.5 F - R1234YF High Pressure quick coupler + C1999071	0.15	1
411003	M12x1.5 F - R1234YF Low Pressure quick coupler + C1999071	0.15	1



CODE	Description	Weight (kg)	No. Pcs
C1999071	Adapter M12x1.5 M – 1/4 SAE M	0.15	1
C1999070	Swivel connection 1/4 SAE M x 5/16 in Teflon	0.03	1
C1999013	Reduction adapter 1/4 SAE F – 5/16 SAE M + gasket	0.03	1
D0912003I	NEOPRENE 1/4 SAE GASKET (10 PCS. PACK)	0.005	1
D0912004I	Teflon 1/4 SAE gasket (10 pcs. Pack)	0.01	1
490385	Connections kit pool G3/8 – 1/4 SAE M – 5/16 SAE M	0.07	1
198880	Plate for gauges protection in polished steel for Major HP	0.29	1

KLYMA KIT ADAPTERS FOR DISPOSABLE CYLINDERS

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

PRESSURE REGULATORS FOR PURE GAS

With the constant evolution of industrial technologies, the need to ensure compliance with the mandatory quality levels for each product and the obligation to check possible polluting emissions are factors that determine the development of increasingly sophisticated and reliable analytical methods based on the use of pure gases.

The purity of a gas is an indication of the quantity of other gases it contains and is normally expressed using a two-digit number. High purity indicates a low content of other gases. Higher purity gases are considered to be of better quality and are usually more expensive.

- The most used pure gases are: **oxygen, nitrogen, carbon dioxide, pure or very pure air, instrument air, helium, argon, hydrogen/methane and nitrous oxide**.

- Pure gases have diverse uses based on the specific properties of the gases and are used **in research and chemical analysis laboratories, for apparatus calibration, in chromatography equipment, in universities, but also in the aerospace, food and metallurgical industries**.

- Oxyturbo offers a series of **single-stage pressure regulators for pure gas cylinders** manufactured in compliance with the most recent international standards in combination with a **series of compression and outlet connections** to choose from according to the different needs of the end user.

Single-stage pressure regulators
For the use of pure gases in laboratories

The pressure regulators of the pure gas range are designed, built and marked in compliance with the EN ISO 2503 standard which provides a series of features that make Oxyturbo products safe and professional.

During the manufacturing process, the internal components of the regulator are cleaned and washed to ensure that the gases used are not contaminated.

Our regulators have been tested for particle contamination according to ISO 15001:2010, with analytical results for the parameters below the limit values indicated in the standard itself

TECHNICAL SPECIFICATIONS

- The AISI 316L stainless steel inlet filter is inspectable and removable and prevents the influx of impurities into the regulator.
- The shutter is made of PCTFE which is more robust than teflon, is very stable over a wide range of temperatures and has a high impermeability to water. This latter property makes it particularly suitable for applications where there is an increased need for protection against humidity,
- The pressure is regulated by a stainless steel piston diaphragm which prevents any gas contamination.
- The safety valve, if properly connected to a drainage pipe, allows the transfer of any overpressure outside the work environment.

SINGLE TEST

Each regulator is individually tested at the maximum inlet and outlet pressures during assembly to ensure maximum reliability.

MANDATORY MARKINGS

Oxyturbo creates the laser markings both on the regulators bodies and on the safety valves.
For the regulators the EN ISO 2503 standard provides the following mandatory markings:

- Name or trademark of the manufacturer and/or distributor
- Reference standard
- Gas for which the regulator is intended
- Production batch
- Nominal inlet pressure - **P1**-
- Operating pressure - **P2** - or regulator class - **K**
- Flow rate - **Q1**-

The safety valve reports:

- Production batch
- Working temperature range
- Vent pressure
- Flow direction.

REQUIREMENT FOR THE PRESSURE ADJUSTMENT DEVICE

Our regulators are equipped with a critical device to guarantee maximum safety during use of the regulator at the maximum pressures applied.

INTEGRATED CAPSULE

All the regulators are equipped with an INTEGRATED CAPSULE fitted with a filter which allows easier maintenance and greater reliability.

PRESSURE GAUGES

The single-stage regulators are equipped with two ø 63 mm pressure gauges built in compliance with the ISO 5171 standard with double bar/psi scale, chrome-plated metal case, nickel-plated shank and explosion-proof device which ensure that both the cylinder pressure and the operating pressure always under control.

AESTHETIC TREATMENT

All brass components that are visible externally undergo a surface galvanic treatment of electrolytic nickel plating.

POSSIBILITY OF WALL BRACKETING

To allow the regulator to be fixed to the wall there are 2 **M4 threaded holes** at the rear with 40 mm interaxle spacing. Oxyturbo supplies a steel bracket (code 194820) upon request.

EN ISO 2503

WARRANTY 3 YEARS

MAXYLAB

The ideal pressure regulators for analysis laboratories.

Oxyturbo proposes single-stage pressure regulators with an ergonomic and functional design to be used in the output of pure gas cylinders to reduce the pressure **by 300 bar up to the line or usage**. Moreover these regulators have **an internal stainless steel membrane** that allows precise pressure control and avoids any internal contamination.

FEATURES

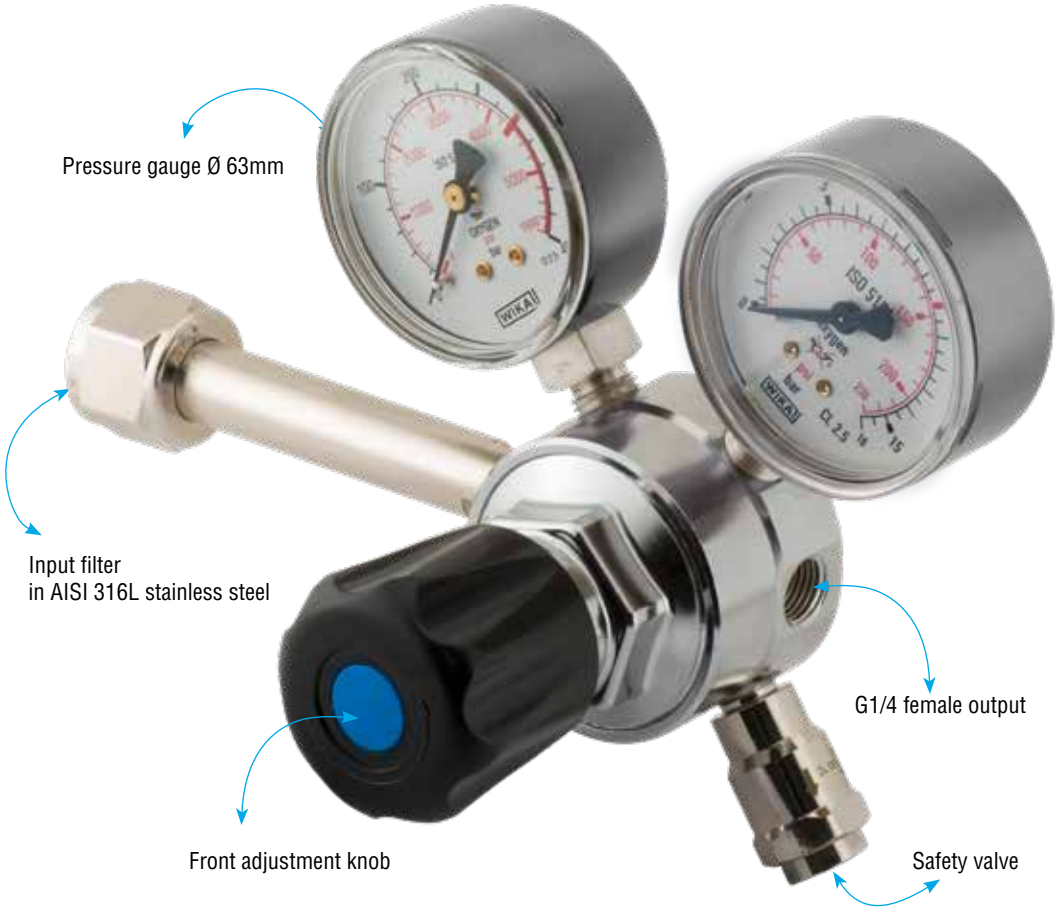
- Manufactured and laser-marked according to EN ISO 2503
- External components with surface galvanic treatment of electrolytic nickel plating
- Laser-marked conveyable external overpressure safety valve (G1/4F)
- PCTFE shutter
- Ø 63mm gauges with double scale in bar/psi, chrome-plated metal case nickel-plated shank and explosion-proof device
- Stainless steel membrane
- AISI 316L stainless steel inlet filter
- Various inlet connections depending on the gas used per the following table
- G1/4 female outlet

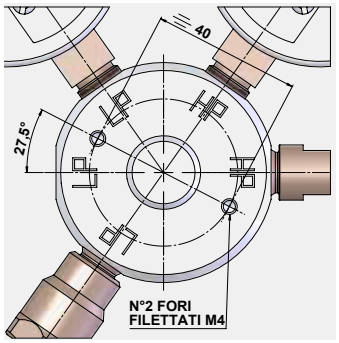
USE

Ideal for laboratories and for all applications with pure non-toxic and non-corrosive gases.

GAS USED:

CO_2
ARGON
OXYGEN
NITROGEN
NITROUS OXIDE
COMPRESSED AIR
HYDROGEN/NATURAL GAS
HELIUM





At the rear there are 2 M4 threaded holes with 40 mm interaxle spacing for wall mounting.

MAXYLAB FOR PURE GASES

APPROVED UP TO **300 BAR**

An extensive series of regulators equipped with Ø 63mm pressure gauges with double scale in bar/psi, chrome-plated metal case, nickel-plated shank and explosion-proof device, available with:
- 4 and 10 bar outlet pressure
- high pressure gauge 0-400 bar/psi - R.L. 300 bar
- low pressure gauge 0-6 bar/psi - R.L. 4 bar or 0-16 bar/psi - R.L. 10 bar.

Weight of pressure regulator: **1.5 Kg** – No. Pcs.: **6** – Packaging: (l x w x h) **52.5 x 24.5 x 38 cm** – Packaging weight: **10 Kg.**

CHOOSE YOUR PRESSURE REGULATOR MAXYLAB

1 Kind of gas (☑): ☐ CO_2 ☐ NITROGEN ☐ OXYGEN ☐ ARGON ☐ NITROUS OXIDE ☐ COMPRESSED AIR ☐ HYDROGEN/NATURAL GAS ☐ HELIUM

2 Inlet Orientation (☑): ☐ ONLY LEFT

3 High pressure gauge (☑): ☐ ONLY 0-400 bar - R.L. 300 bar

4 Low pressure gauge (☑): ☐ R.L. 4 bar ☐ 0-16 bar R.L.10 bar

5 Inlet Connection: See page 84-85

OUTPUT FITTINGS

490380GP

The assembly kit for the pressure regulator outlet for pure gases is composed of three parts: nut, hose connector and fitting G1/4 - G3/8 right and left. The components are made of brass and are degreased for use with oxygen.

CODE	Description	Weight (kg)	No.Pcs.
490380GP	Complete outlet connection G3/8 rh	0.07	1
490330GP	Complete outlet connection G3/8 lh	0.07	1

COMPRESSION FITTINGS

490106GP

490108GP

490110GP

490112GP

Brass fittings to be assembled on the outlet of pressure regulators for pure gases. They are built to avoid twisting of the pipes. Available in 4 versions depending on the diameter of the connection pipe.

CODE	Description	Weight (kg)	No.Pcs.
490106GP	Straight male conical fitting R1/4 for pipe ø 6mm	0.02	1
490108GP	Straight male conical fitting R1/4 for pipe ø 8mm	0.03	1
490110GP	Straight male conical fitting R1/4 for pipe ø 10mm	0.05	1
490112GP	Straight male conical fitting R1/4 for pipe ø 12mm	0.06	1

BRACKET

Single stainless steel support complete with screws, ideal for fixing the regulator to the wall.

CODE	Description	Weight (kg)	No.Pcs.
194820	Stainless steel bracket kit	0.045	1

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.

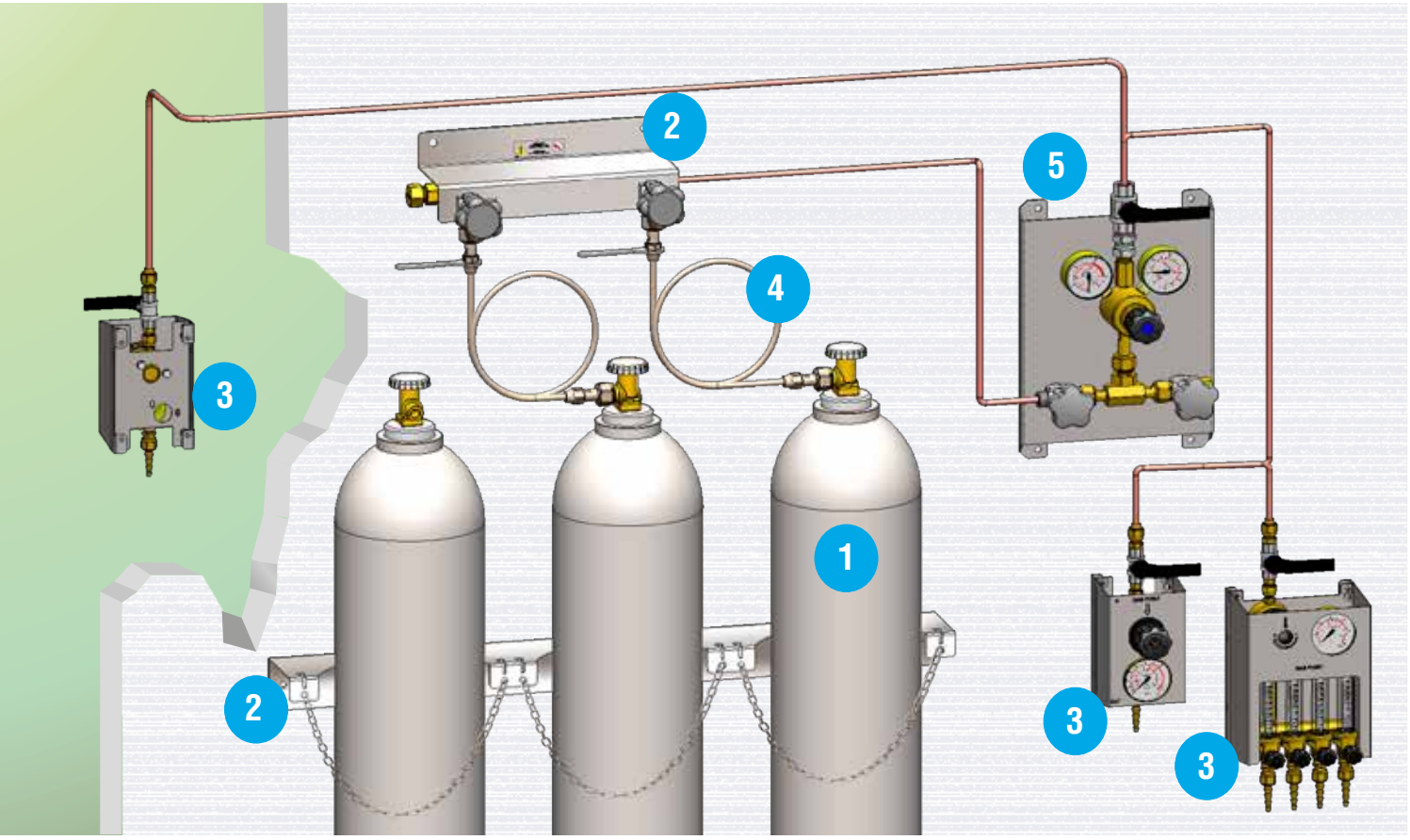
Benefits of gas centralisation:

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 meet the demands of its customers in the welding world, Oxyturbo has further expanded its product range and now offers a series of items required for working with gas distribution stations.
They are of fundamental importance and only a rigorous choice of equipment and materials guarantees total compatibility with the gases and mixtures to be used.
The new Oxyturbo range includes GAS POINTS, GAS POINTS SMART, ramps, racks, decompression boxes and flexible connections available in four different versions (copper, brass for acetylene, PTFE, polyamide) and in three different lengths (1, 2 and 3 metres).

Our work does not end here: our technical department is at work to offer other articles to complete centralised gas distribution systems in the industrial field.

3 DISTRIBUTION POINTS

2 MANIFOLD SYSTEMS AND CYLINDER RACKS

4 FLEXIBLE CONNECTIONS

5 DECOMPRESSION PANELS

1 INDUSTRIAL RECHARGEABLE CYLINDERS

Supplied complete with taps by the numerous gas distributors.

HOW TO DEFINE A GAS DISTRIBUTION SYSTEM:

Phase 1 - Choose the welding procedure

- Defines the gas(es) to be used

Phase 2 - Identify

- The number of workstations
- The type of equipment used (cutting torch - welding - heating MIG-MAG-TIG welder)
- The actual welding work time per device

Phase 3 - Establish the instantaneous flow rate

The instantaneous flow rate allows you to size the capacity of the power plant:

- Normal flow rate power plant
- High flow rate power plant

Phase 4 - Define the autonomy of the power plant

This phase allows you to determine the number of cylinders or cylinder packs to be used:

- Power plant with cylinders
- Power plant with cylinder packs

Phase 5 - Determine the productivity of the power plant

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

If gas interruptions do not cause major operating problems for the workshop, you can choose:

- Manual and simplified power plants.
  The decompression group is powered by 1 or 2 gas sources, but when the source runs out, the power supply to the workstations is interrupted.

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

- Semi-automatic power plants.
  The decompression group is powered by 2 gas sources, one of which is in service and the other in reserve. When the source in service runs out, the reserve source intervenes automatically: the power supply to the workstations is not interrupted.

EN ISO 7291

CE 0408
SOLO RIDUTTORI

TÜV AUSTRIA

DECOMPRESSION PANELS

The first stage of pressure reduction in a system for the centralised distribution of technical and laser gases.

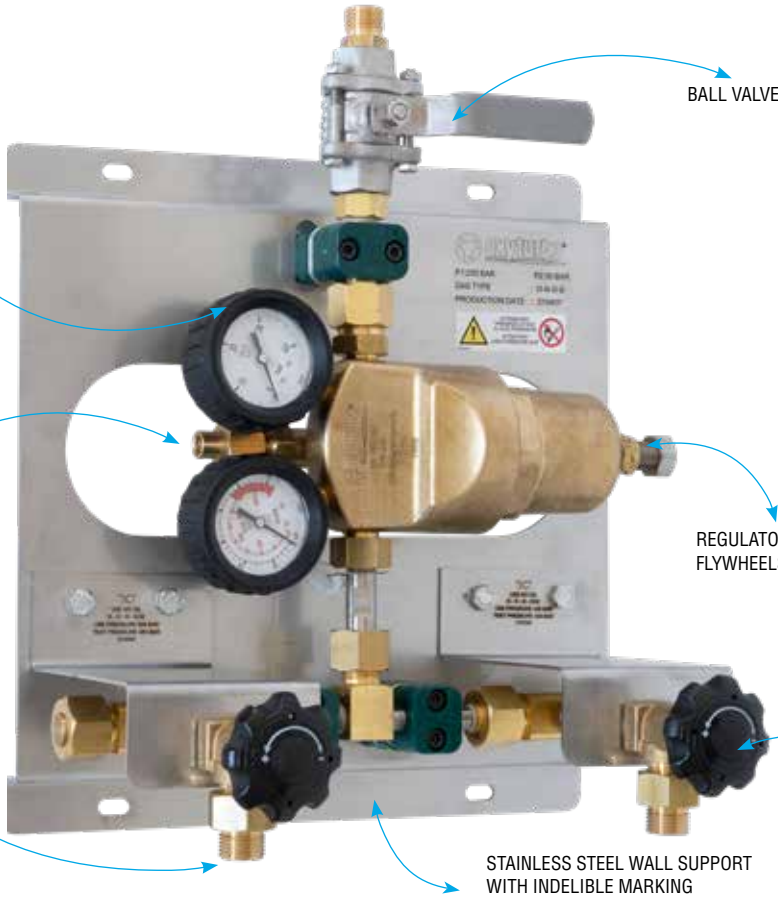
The decompression panel is used to manage the supply of a gas to the system, thereby guaranteeing continuity of the supply by controlling the primary and secondary sources. The system is used to minimise the stress to the fittings and the pipes during cylinder replacement.
From the decompression station, the gases are distributed to the various places of use in the department by means of dedicated pipes. The gas outlets are obtained from the main networks at the individual workstations. The dedicated outlet panels are applied where Gas Points are considered necessary for the smooth operation of the workplace.

FEATURES

The Oxyturbo panels are of the manual or semi-automatic exchange type and include:
the inlet shut-off valves with no-return valves, the 1/2 M outlet ball valve, the pressure regulator.
All of the components are fixed onto a stainless steel panel ready for wall mounting.
For utilities where there is a significant and continuous flow, the use of a hydrothermal pre-heater is advisable. (see page 66)
To allow for the simultaneous use of several cylinders, manifold systems, can be easily connected to the panel.

USE

The Oxyturbo decompression panels are available for various types of gas and pressures and are suitable for industrial applications in chemistry, metallurgy and laser applications.



GAS USED:
OXYGEN
ACETYLENE
ARGON/CO_2
NITROGEN
HYDROGEN
AI

DECOMPRESSION PANELS TECHNICAL AND LASER GAS

Oxyturbo decompression panels are designed to be used with compressed and dissolved gases, pressurised and contained in cylinders or cylinder packs with a maximum pressure of 300 bar. Their function is to reduce the pressure at the cylinder outlet and keep it constant.

TECHNICAL INFORMATION:

- **Operating temperature: -20°C +60°C**
- **Manual exchange shut-off valves with NRV***
- **Outlet pressure: 20bar adjustable / 50bar adjustable / 1.5bar adjustable**
- **Panel dimensions: 350x360x30mm**

*NRV= No-Return Valve

HYDROGEN 20 BAR

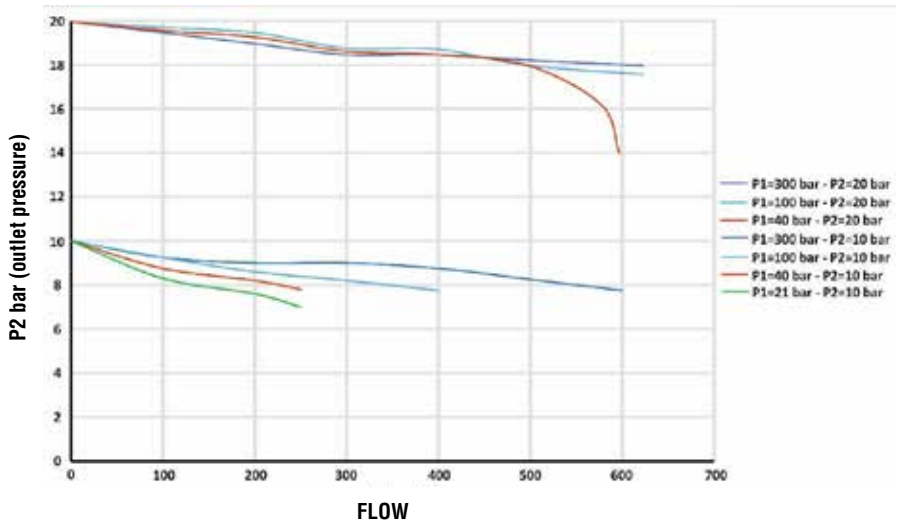
50 BAR

ACETYLENE 1,5 BAR

20 BAR

CODE	Description	Input	Outlet	P1 (bar)	P2 (bar)	Flow rate $Nm^3 h$	Weight (kg)	No. pcs.
190100	Decompression panel for Oxygen, Argon, N_2	W21.7X1/14 RH-M	G1/2 M	300	20	150	11.50	1
190253	Decompression panel for Acetylene	G5/8 LH-F	G1/2 M	25	1.5	22	11.50	1
190000	Decompression panel for Oxygen, Argon, N_2 and Air	W21.8X1/14 RH-M	G1/2 M	300	50	300	11.50	1
190150	Decompression panel for Hydrogen	W20.00X1/14 LH-M	G1/2 M	300	20	1100	11.50	1
190250	Decompression panel for Propane	W20.00X1/14 LH-M	G1/2 M	25	4	45	11.50	1

FLOW CHARACTERISTICS



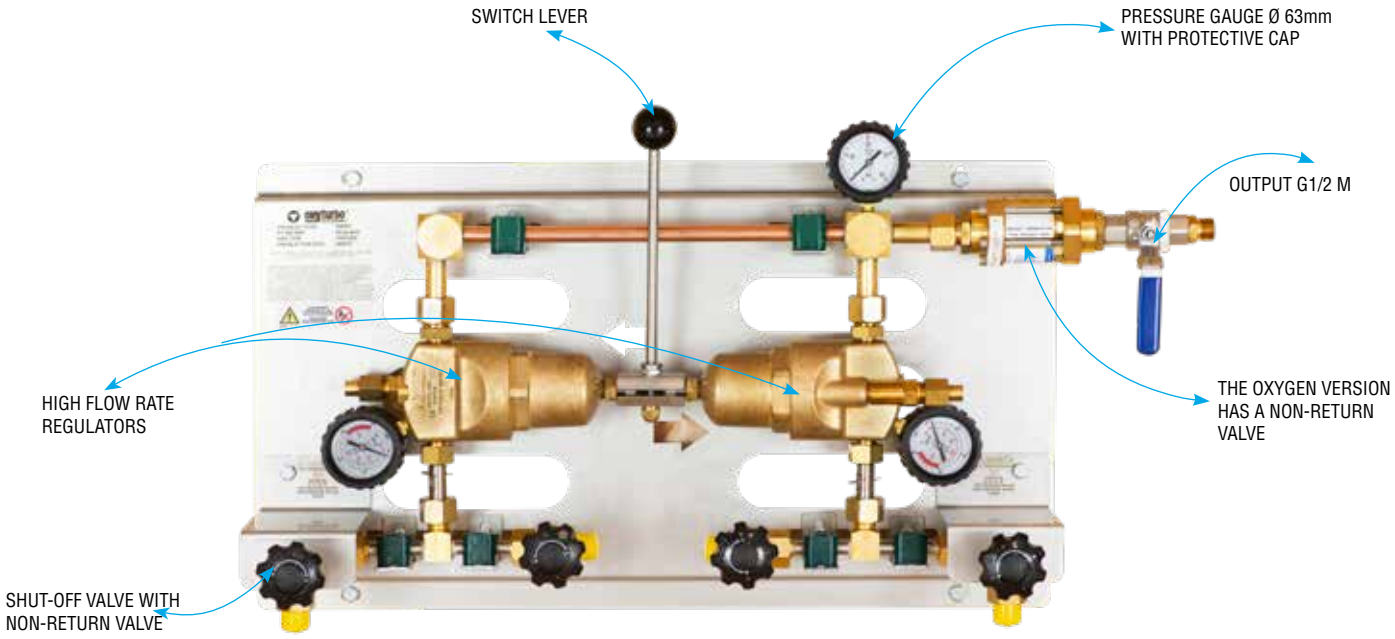
SEMI-AUTOMATIC DECOMPRESSION SWITCHGEAR

NEW

They use high-pressure gas stored in a single cylinder or in cylinder packs and reduce the pressure required for gas lines in places where welding, cutting and similar work is carried out. They keep the pressure constant and allow it to be used at several points with regulators installed at each point of use.
The switch lever on the system allows you to select the side from which you want the gas to flow. When the pressure of the cylinder or cylinder pack on the side where the gas is supplied falls below the system outlet pressure, the gas flow will automatically be supplied from the other cylinder (or cylinder pack) and regulator. They are equipped with inlet filters that ensure reliable operation of the regulator even with old or dirty pipes.

FEATURES

- Operating temperature -20°C + 60°C
- Manual shut-off valves with NRV (non-return valve)
- Outlet pressure: 10 bar adjustable / 20 bar adjustable / 40 bar adjustable
- Panel dimensions: 720x406x24 mm



CODE	Description	Input	Outlet	P1 (bar)	P2 (bar)	Flow rate Nm³ h	Weight (kg)	No. pcs.
190300	Semi-automatic decompression switchgear for Oxygen	W21.8X1/14 RH-M	G1/2 M	300	10	300	30.00	1
190310	Semi-automatic decompression switchgear for Argon and Nitrogen	W21.8X1/14 RH-M	G1/2 M	300	10	300	30.00	1
190301	Semi-automatic decompression switchgear for Oxygen	W21.8X1/14 RH-M	G1/2 M	300	20	300	30.00	1
190311	Semi-automatic decompression switchgear for Argon and Nitrogen	W21.8X1/14 RH-M	G1/2 M	300	20	300	30.00	1
190302	Semi-automatic decompression switchgear for Oxygen	W21.8X1/14 RH-M	G1/2 M	300	40	300	30.00	1
190312	Semi-automatic decompression switchgear for Argon and Nitrogen	W21.8X1/14 RH-M	G1/2 M	300	40	300	30.00	1

HIGH FLOW RATE REGULATORS

CE 0408

Recommended for all applications where constant pressure and high flow rate are required, they are ideal for oxygen and gas cutting operations, for laser processes using gas and for arc welding.
They can be used either as spare parts in a decompression cabinet or directly on cylinders or cylinder packs. For some gases, however, a cylinder connection fitting is required, which is supplied separately on request (see table below).
Thanks to the filter integrated in the inlet connection of the regulator, it is also possible to work well with gas from old or dirty installations.

FEATURES

- Variable pressure regulators with piston pressure adjustment for the 50 bar P2 version and diaphragm pressure adjustment for all other versions.
- High and low pressure gauges ø 63 mm with dual bar/psi scales
- Integrated pressure relief valve
- Degreased components for version for use with oxygen
- G3/4M outlet connection.

W21,7 RH

190100Y.RID

W21,7 RH

190000Y.RID

W21,7 LH

190253Y.RID

CODE	Description	P1 (bar)	P2 (bar)	Flow rate $Nm^3 h$	Weight (kg)	No. pcs.
190100Y.RID	High flow rate regulators for Oxygen-CO_2-Argon-N_2	300	20	150	5.40	1
190000Y.RID	High flow rate regulators for Oxygen-CO_2-Argon-N_2	300	50	300	5.40	1
190150Y.RID	High flow rate regulators for Hydrogen	300	20	1100	5.40	1
190253Y.RID	High flow rate regulators for Acetylene	25	1.5	22	5.40	1
190250Y.RID	High flow rate regulators for Propane	25	4	45	5.40	1

CONNECTION FITTINGS

C5649000

C5419000

C5629054

C5419003

C5419004

In order to be able to connect argon, nitrogen, acetylene, propane and hydrogen high-flow regulators directly to the cylinder, cylinder pack or ramp, it is necessary to use a special fitting.

CODE	Description	Weight (kg)	No. pcs.
C5649000	Connection W21.8 Rhe (UNI11144-5) – W24.51 Rhe (UNI11144-8) for Argon regulator	0.09	1
C5419000	Connection W21.8 x 1/14 Rhe (UNI11144-5) – W21.80 x 1/14 Rhe (UNI11144-5) for NItrogen regulator	0.09	1
C5629054	Connection G5/8" Lh (UNI11144-7F) – W21.8 x 1/14 Lh (DIN 477 No.1) for Acetylene regulator	0.15	1
C5419003	Connection W21.7 x 1/14 Lhe – W20 x 1/14 Lhi (UNI11144-1H) for Hydrogen regulator	0.13	1
C5419004	Connection W24.32 x 1/14 (DIN 477 No.10) – W21.8 x 1/14 (UNI11144-5) for Propane regulator	0.15	1
C5419005	Connection W21.7 x 1/14 Lhe – W20 x 1/14 Lhi (UNI11144-1P) for Propane regulator	0.09	1

HIGH FLOW RATE SAFETY VALVES

NEW

They are activated in the event of danger or sudden increases in pressure to allow the gas to escape. They can be used with oxygen, inert gases, CO_2, compressed air and hydrogen.

CODE	Description	Weight (kg)	No. pcs.
170200	High flow rate safety valve 20bar inlet G1/2 M – Outlet G3/8 F	0.23	1
170201	High flow rate safety valve 30bar inlet G1/2 M – Outlet G3/8 F	0.23	1
170202	High flow rate safety valve 40bar inlet G1/2 M – Outlet G3/8 F	0.23	1

170200

170201

170202

LINE FILTERS

NEW

Designed to counteract the build-up of moisture that can occur over time in pipelines.
They prevent dirt particles from penetrating the membrane during gas flow, thus preventing malfunctioning.

Utilisation gases: oxygen, inert gases, CO_2, compressed air, hydrogen and propane.

170300

170301

FEATURES

- Pressure test: 75 bar
- Pressure working: max. 50 bar

CODE	Description	No. pcs.
170300	Line filter HF-O_2O 50 bar Inlet/Outlet ø 28mm (50 micron)	1
170301	Line filter HF-O_2-O 50 bar Inlet/Outlet G1/2M (50 micron)	1

PREHEATER

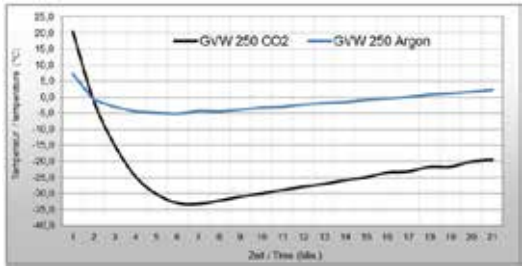
NEW

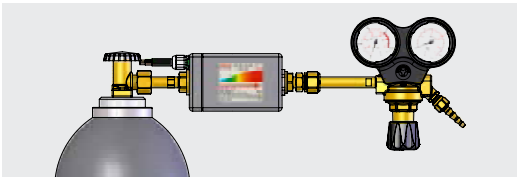
Input connection W21.8x1/14F - Output connection W21.8x1/14M.
It enables the elimination of the 'frost effect' on inert gases, oxygen and nitrous oxide regulators and is also **certified for use in the food industry**.

It can be used both on the single gas cylinder, on the cylinder pack and in centralised distribution systems and is supplied with socket, 2 metre cable and green light diode when switched on.

P1 max: 200 bar
P2: 6 bar*
Portata: 10 Nm³/h*

CODE	Description	P1 max (bar)	P2 (bar)	Flow rate Nm³ h	Weight (kg)	No. pcs.
299707	230 VOLT 250 W	200	6*	10*	2.30	1





**The diagram shows the temperature curve for gas delivered from a CO_2 or Argon cylinder with constant and continuous flow regulation at 10Nm³/h and 6 bar. (Room temperature 20°C).*

EN ISO 7291

WARRANTY 3 YEARS

GAS POINT

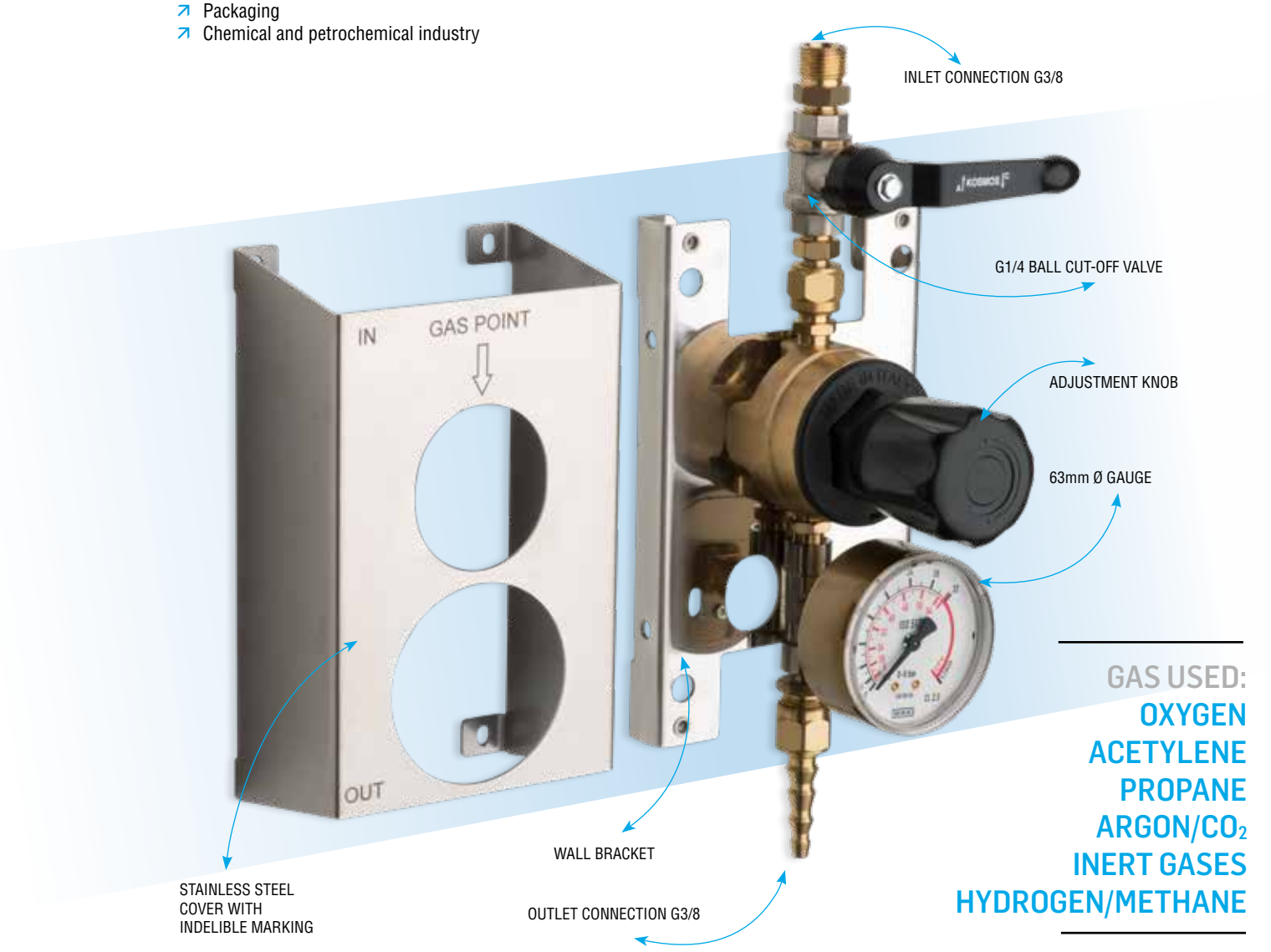
**The necessary complements for centralised gas distribution.
Compact and easy to install.**

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.

USED IN THE FOLLOWING FIELDS OF APPLICATION

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



GAS USED:
OXYGEN
ACETYLENE
PROPANE
ARGON/CO_2
INERT GASES
HYDROGEN/METHANE

GAS POINT

190800

190860

The pressure regulators 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 (m^3/h)	Weight (kg)	No.Pcs.
190800	GAS POINT O_2 + F.A.V.	G3/8	30	10	30	1.75	1
190800.SV	GAS POINT O_2 WITHOUT F.A.V.	G3/8	30	10	30	1.60	1
190820	GAS POINT C_2H_2 + F.A.V.	G3/8	1.5	1.5	5	1.85	1
190820.SV	GAS POINT C_2H_2 WITHOUT F.A.V.	G3/8	1.5	1.5	5	1.70	1
190830	GAS POINT C_3H_8 + F.A.V.	G3/8	6	4	10	1.90	1
190830.SV	GAS POINT C_3H_8 WITHOUT F.A.V.	G3/8	6	4	10	1.75	1
190840	GAS POINT H_2CH_4 + F.A.V.	G3/8	30	10	30	1.85	1
190840.SV	GAS POINT H_2CH_4 WITHOUT F.A.V.	G3/8	30	10	30	1.70	1
190860	GAS POINT ARGON/CO_2 WITHOUT F.A.V.	G3/8	30	4	32 L/min	1.75	1
190870	GAS POINT INERT GASES WITHOUT F.A.V.	G3/8	30	10	30	1.75	1

GAS POINT WITH FLOWMETER

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	G3/8	30	3.5	30	2.15	1
190864	GAS POINT AR/CO_2 + 2 FLOW METERS	G3/8	30	3.5	30	3.90	1
190863	GAS POINT AR/CO_2 + 3 FLOW METERS	G3/8	30	3.5	30	4.24	1
190862	GAS POINT AR/CO_2 + 4 FLOW METERS	G3/8	30	3.5	30	4.60	1

190861

190864

190863

190862

CONNECTED BALL VALVE

Galvanised ball valves supplied with a handle for easy gas opening/closing. They allow connection of the Gas Point and Gas Point with flow meters to the gas distribution circuit.

CODE	Description	Weight (kg)	No. pcs.
C1999005	Ball valve without elbow G1/4F – G3/8M	0.232	1

2ND STAGE LASER GAS POINT

190880

190881

Ideal for centralised and laser cutting systems, these are high flow and strong delivery points. Suitable for operating temperatures from -20°C to +60°C.
Manufactured with:
- Mega HP series piston regulator with fully brass diaphragm
- Low pressure gauge ø 63mm in accordance with ISO 5171, approved for welding systems
- Shut-off ball valve G1/2 F
- Inlet filter for inspection in AISI 316L between tap and G1/2 M inlet connection
- Outlet connection G1/2 M
- Wall support with stainless steel box.

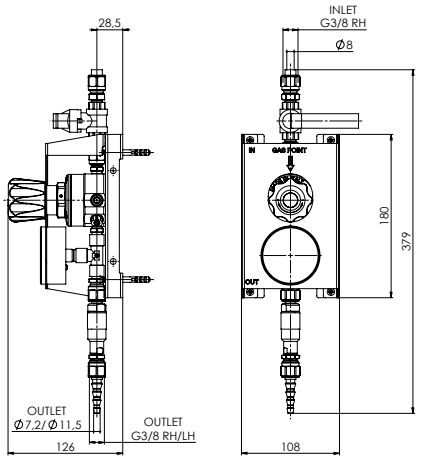
The line must necessarily be supplied with a decompression panel and a high flow rate regulator (NO MEGA HP).

They guarantee performance for applications where high flow rates are required.

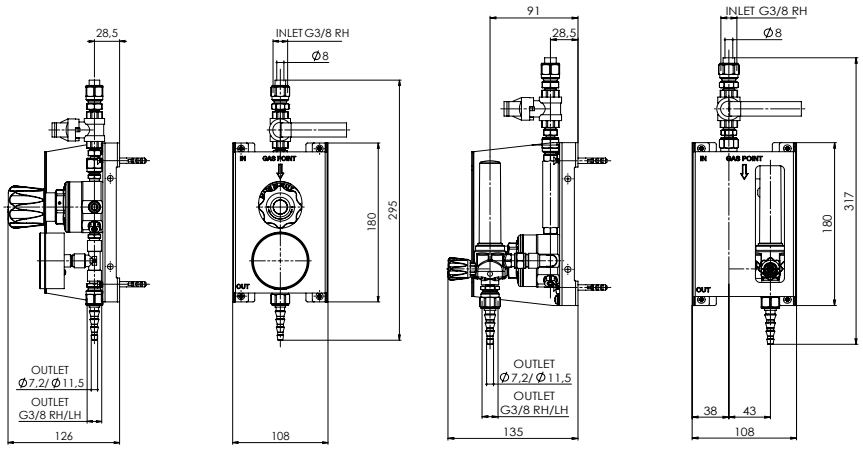
Available for use with oxygen and nitrogen.

CODE	Description	Outlet	P1 (bar)	P2 (bar)	Q1 (L/min)	Weight (kg)	No.Pcs.
190880	GAS POINT LASER CUTTING O_2 2ND STAGE	G1/2M	50	50	250	3.10	1
190881	GAS POINT LASER CUTTING N_2 2ND STAGE	G1/2M	50	50	250	3.10	1

SIZES FOR WALL MOUNTING



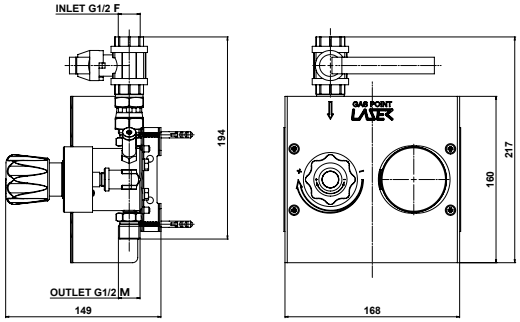
GAS POINT WITH F.A.V.



GAS POINT WITHOUT F.A.V.

GAS POINT SECOND STAGE

GAS POINT WITH FLOW METER



EN ISO 2503

WARRANTY 3 YEARS

MEGA HP60

The 60 bar pressure regulator to power an individual laser cutting system.

Mega HP60 pressure regulators are designed in compliance with standard EN ISO 2503 that ensures also total compatibility with low pressure gases. They are equipped with an overpressure relief valve and with a sintered bronze dual-protection filter in the integrated capsule.
Pressure regulation is extremely straightforward and smooth thanks to the ergonomic knob. The particularly well-designed regulator body is made of brass and pickled to withstand oxidation over time.

FEATURES

- Body and cover machined directly from brass bar
- Front adjusting knob
- Two Ø 63mm pressure gauges with cap
- Outlet pressure 60 bar
- Outlet connections G3/8 LH
- Overpressure relief valve
- Delivery P2=60 bar

USE

It allows the use of various technical gases with input up to 300 bar and to have a high delivery at a pressure of up to 60 bar.
Ideal for cylinders packs for laser cutting systems.

WARNING: REGULATOR NOT SUITABLE FOR POWERING GAS POINT LASER DERIVATIONS WITH HIGH ABSORPTION.

GAS USED:

OXYGEN
NITROGEN
ARGON
COMPRESSED AIR
HYDROGEN

P1 inlet pressure 300 bar - P2 outlet pressure 60 bar - Q1 standard delivery flow>180 m³/h air

GAS	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
OXYGEN	290250HP60	290251HP60	290253HP60	290253HP60	290253HP60	290250HP60	290253HP60	290255HP60
NITROGEN	294250HP60	294251HP60	294253HP60	294253HP60	294259HP60	294254HP60	294252HP60	294255HP60
ARGON	296250HP60	296251HP60	296253HP60	295250HP60	296259HP60	296254HP60	295250HP60	296250HP60
C. AIR	298250HP60	298253HP60 DIN	298253HP60			298253HP60		298255HP60
HYDROGEN	293250HP60	293251HP60	293253HP60	293281HP60	293251HP60	293251HP60	293251HP60	293255HP60

Weight of kit **2.20 kg** - No.Pcs. **4** - packaging dimensions (l x w x h) **45.5 x 30.5 x 17 cm** - packaging weight **8.80 kg**

EN ISO 2503

WARRANTY 3 YEARS

MEGA HP200

Nitrogen regulator (0-200 bar) fits for preventive leak testing and piping cleaning for R744 systems (CO_2)

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 regulator is suitable for verification and maintenance of this system.

Upon request we supply the regulator with gas connections not in the catalogue

FEATURES
- Body and cover machined directly from brass bar
- Front adjusting knob
- Two Ø 63mm pressure gauges 0-400 bar
- Outlet pressure 200 bar
- Outlet fitting 7/16"-20 UNF (1/4 SAE)

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

WARNING: REGULATOR NOT SUITABLE FOR POWERING GAS POINT LASER DERIVATIONS WITH HIGH ABSORPTION.

GAS USED:
OXYGEN
NITROGEN

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
OXYGEN	290200HP	290201HP	290203HP	290203HP	290203HP	290200HP	290203HP	290205HP
NITROGEN	294200HP	294201HP	294203HP	294203HP	294209HP	294204HP	294202HP	294205HP

Weight of pressure regulator **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

WARRANTY 3 YEARS

MEGA HP GAS LINE

The in-line pressure regulator for medium flow centralized systems.

Mega HP Gas Line are constructed according to EN ISO 2503. They are equipped with an overpressure relief valve and a sintered bronze filter at the inlet to the integrated capsule. Pressure regulation is extremely linear and smooth thanks to a new ergonomic knob. The regulator body is made of brass and is particularly well designed.

FEATURES

- Body and cover machined directly from brass bar
- Front adjustment knob
- Pressure gauges Ø 63 mm with protection cap
- Outlet pressure 20/40/60/100 bar
- Inlet and outlet G1/4 F
- Overpressure relief valve

USE

It allows the use of various technical gases **up to 200 bar** at the inlet and a good supply at an outlet pressure of up to 100 bar. Ideal for installation on ducted oxyfuel and welding lines (**no laser cutting**).

WARNING: REGULATOR NOT SUITABLE FOR POWERING GAS POINT LASER DERIVATIONS WITH HIGH ABSORPTION.

NEW

GAS USED:
INERT GASES/
COMPRESSED AIR
OXYGEN
HYDROGEN

CODE	Description	P1 (bar)	P2 (bar)	Q1 (m^3/h)	Weight (kg)	No.Pcs.
190500HP100	MEGA HP GAS LINE inert gases/ compressed air 100 bar	≤ 200	100	>300	2.20	1
190500HP60	MEGA HP GAS LINE inert gases/ compressed air 60 bar	≤ 200	60	>180	2.20	1
190500HP40	MEGA HP GAS LINE inert gases/ compressed air 40 bar	≤ 200	40	>150	2.20	1
190500HP20	MEGA HP GAS LINE inert gases/ compressed air 20 bar	≤ 200	20	>80	2.20	1
190501HP100	MEGA HP GAS LINE oxygen 100 bar	≤ 200	100	>300	2.20	1
190501HP60	MEGA HP GAS LINE oxygen 60 bar	≤ 200	60	>180	2.20	1
190501HP40	MEGA HP GAS LINE oxygen 40 bar	≤ 200	40	>150	2.20	1
190501HP20	MEGA HP GAS LINE oxygen 20 bar	≤ 200	20	>80	2.20	1
190502HP100	MEGA HP GAS LINE hydrogen 100 bar	≤ 200	100	>300	2.20	1
190502HP60	MEGA HP GAS LINE hydrogen 60 bar	≤ 200	60	>180	2.20	1
190502HP40	MEGA HP GAS LINE hydrogen 40 bar	≤ 200	40	>150	2.20	1
190502HP20	MEGA HP GAS LINE hydrogen 20 bar	≤ 200	20	>80	2.20	1

EN ISO 7291

WARRANTY 3 YEARS

GAS POINT SMART

At the service of industrial gases.

GAS USED:
OXYGEN
ACETYLENE
PROPANE
ARGON/CO_2
INERT 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	G3/8	G1/4	10 BAR	0.85	8	41 X 29 X 22	7.00
241352.PP	Gas Point Smart Acetylene	G3/8 LH	3/8 LH	1.5 BAR	0.83	8	41 X 29 X 22	6.90
242352.PP	Gas Point Smart Propane	G3/8 LH	G3/8 LH	4 BAR	0.85	8	41 X 29 X 22	7.00
245302.PP	Gas Point Smart CO2/Argon	G3/8	G1/4	32 L/min	0.83	8	41 X 29 X 22	6.90
245352.10PP	Gas Point Smart Inert gases	G3/8	G3/8	10 BAR	0.86	8	41 X 29 X 22	7.10

GAS POINT SMART WITH FLOWMETER

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	G3/8	G1/4	30 L/min	0.86	8	41 X 29 X 22	7.20

KIT GAS POINT SMART

This new kit range is the safe, simple and practical solution for the use of industrial gases in cylinders.

Oxyturbo offers a complete kit of pressure regulator, ball valve for connection to the circuit and bracket for wall mounting of the Gas Point Smart in the single version.

N.B. For the double and triple versions, it is possible to order the components separately.

CODE	Description	Gas	Inlet	Outlet	Weight (Kg)	No. Pcs.	Pack. Dim. (l x w x h) cm	Pack.Weight (kg)
245352GPS10	Kit Gas Point Smart 10 bar	Inert gases	G3/8	G3/8	1.150	8	40.5X28.5X22	10.00
240302GPS	Kit Gas Point Smart 10 bar	Oxygen	G3/8	G1/4	1.150	8	40.5X28.5X22	10.00
241352GPS	Gas Point Smart Kit 1.5 bar	Acetylene	G3/8LH	G3/8LH	1.130	8	40.5X28.5X22	9.80
242352GPS	Gas Point Smart Kit 2.5 bar	Propane	G3/8LH	G3/8LH	1.150	8	40.5X28.5X22	10.00
245302GPS	Gas Point Smart Kit 32 l/min	CO_2/Argon	G3/8	G1/4	1.135	8	40.5X28.5X22	9.85

GAS POINT SMART KIT WITH FLOWMETER

The Gas Point Smart with single flow meter is also available in the kit version complete with ball valves for connection to the circuit and brackets for wall mounting.

N.B. For the double and triple versions, it is possible to order the components separately.

CODE	Description	Gas	Inlet	Outlet	Weight (Kg)	No. Pcs.	Pack. Dim. (l x w x h) cm	Pack.Weight (kg)
245402GPS	Gas Point Smart Flux 30 l/min	CO_2/Argon	G3/8	G1/4	1.180	8	40.5X28.5X22	10.50

ROUNDED BALL VALVES

Galvanised ball valves with handle for easy gas opening/closing. These allow connection of the Gas Point Smart to the gas distribution circuit.

CODE	Description	Gas	Weight (Kg)	No. Pcs.	Pack. Dim. (l x w x h) cm	Pack.Weight (kg)
479950	Ball valve with elbow	Oxygen/inert gases	0.38	14	34.5X16.5X17	5.50
479951	Ball valve with elbow	Fuel gases	0.38	14	34.5X16.5X17	5.50
C1999005	Ball valve without elbow	Oxygen/ inert gases/ fuel gases	0.232	15	34.5X16.5X17	4.00

LINE FLOWMETER 30 l/min

Column flow meter to be mounted at the end of the line with 3.5 bar pressure with G1/4 male outlet fitting and nut and hose holder for 6 and 8 mm internal ø hose. Designed for measuring flow rates of NEUTRAL GASES or other NON-CORROSIVE MIXTURES. Adjustment range: 1 to 30 l/min.

CODE	Description	P1 (bar)	Inlet	Outlet	Weight (Kg)	No.Pcs.
290300.RUB3/8	Line flowmeter 0-30 l/min	3	G3/8 F	G1/4 M + nut and hose connection ø 6 and 8mm	0.50	1

CONNECTION FITTING

Brass fitting kit suitable for all our versions. Includes a G3/8 nut and a welded Pool fitting for Ø8mm pipe.

CODE	Description	Weight (kg)	No. Pcs.
490382	G3/8 nut + Pool connection for ø8mm hose	0.03	1

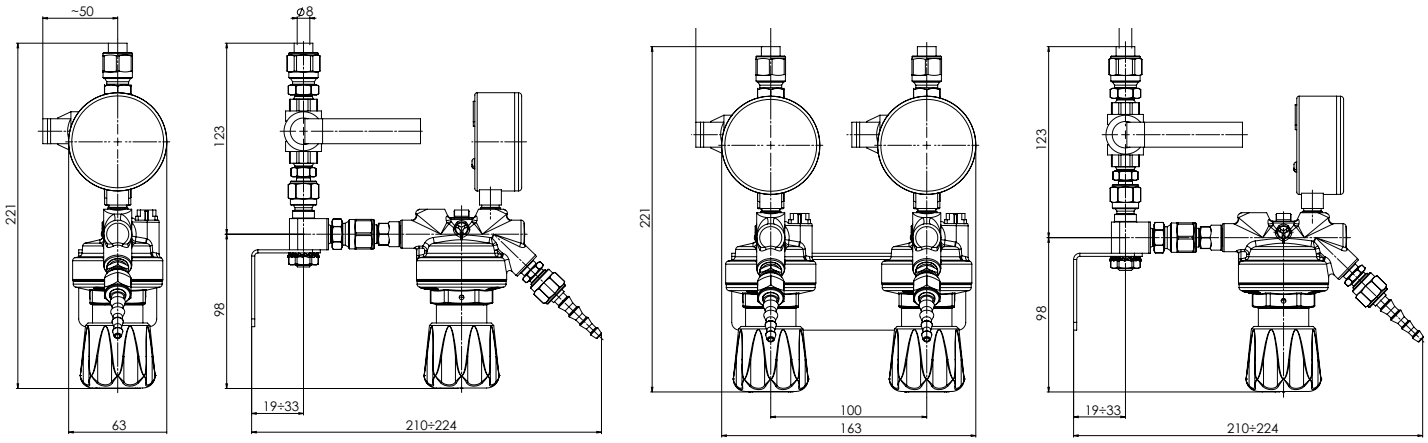
WALL SUPPORTS

Stainless steel wall angle supports, suitable for wall mounting of Gas Point Smart. Available for wall mounting of 1, 2 or 3 sockets, also for different gases.

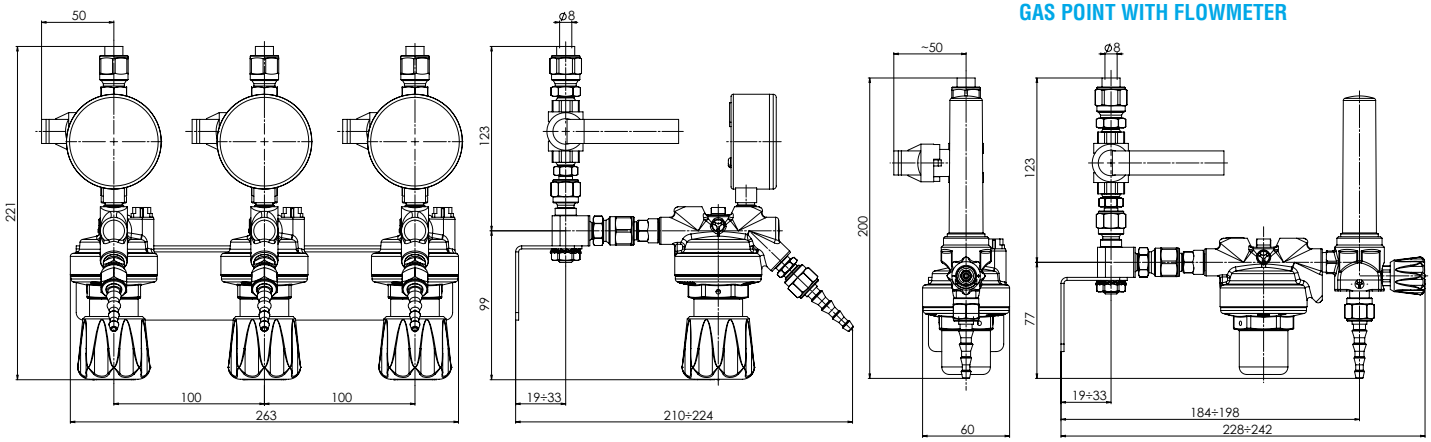
CODE	Description	Weight (kg)	No. Pcs.
194850	SINGLE wall support	0.06	1
194851	DOUBLE WALL SUPPORT	0.19	1
194852	TRIPLE WALL SUPPORT	0.33	1

WALL MOUNTING DIMENSIONS

GAS POINT WITH GAUGES 1-2-3 STATION

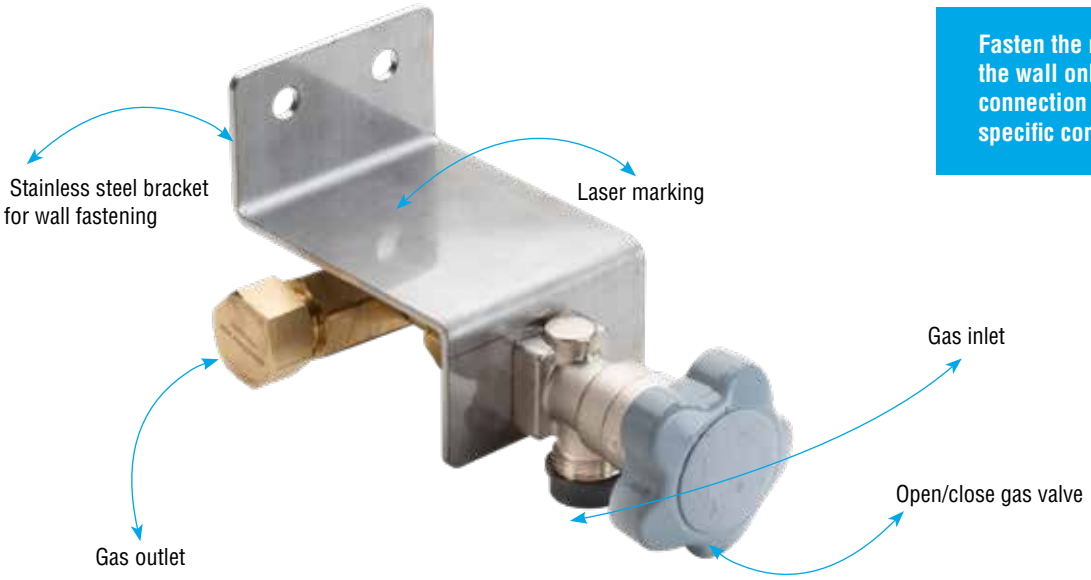


GAS POINT WITH FLOWMETER



MANIFOLD SYSTEMS

To work more independently and efficiently.



Fasten the manifold system to the wall only after making the connection in series using the specific connection fittings

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 a double outlet (both on the right and on the left). Valve inlet and outlet fitting bodies are made of brass.
- Inlet threadings are 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 has been eliminated and the fittings are threaded.

N.B. For the twin and triple manifold systems for acetylene the connection pipes are made of brass and not of copper.

SINGLE MANIFOLD SYSTEMS

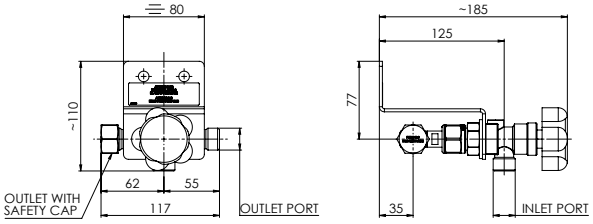
These are ideal for stable wall fixing of a powerful delivery regulator, to then be connected to the cylinder or to the cylinder pack by means of a flexible one. As this regulator is rather heavy and bulky, it would otherwise be complicated to have to fix it and remove it from the cylinder or the cylinder 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= H_2- C_3H_8- C_4H_{10}

* NON COMPATIBLE WITH USE WITH ACETYLENE

SIZES FOR WALL MOUNTING

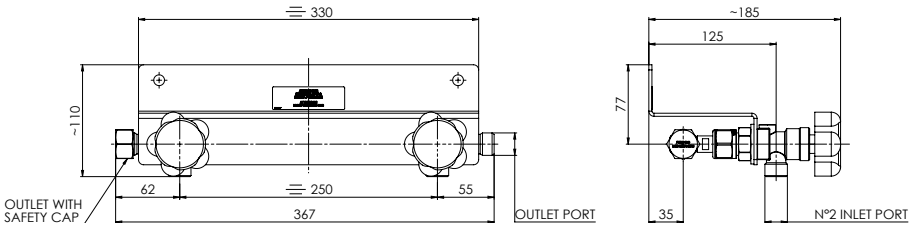


TWIN MANIFOLD SYSTEMS

These are ideal for stable wall fixing of a powerful delivery regulator 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 connection.

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

* Fuel Gas= H_2- C_3H_8- C_4H_{10} *NON COMPATIBLE WITH USE WITH ACETYLENE

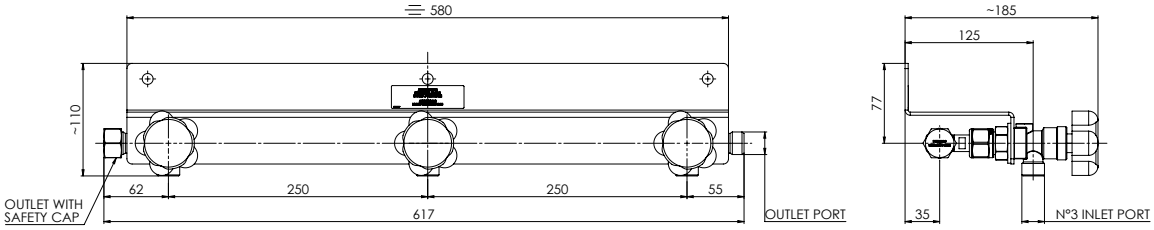


TRIPLE MANIFOLD SYSTEMS

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 regulator.

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

* Fuel Gas= H_2- C_3H_8- C_4H_{10} *NON COMPATIBLE WITH USE WITH ACETYLENE



MANIFOLD SYSTEM CONNECTION FITTINGS

C5419050

C5419051

C5419052

C4048000.01

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.

Fasten the manifold system to the wall only after making the connection in series using the specific connection fittings.

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
C4048000.01	Cylinder cap W21.7x1/14" Rhi CH28	0.62	1	-	-

CYLINDER RACKS

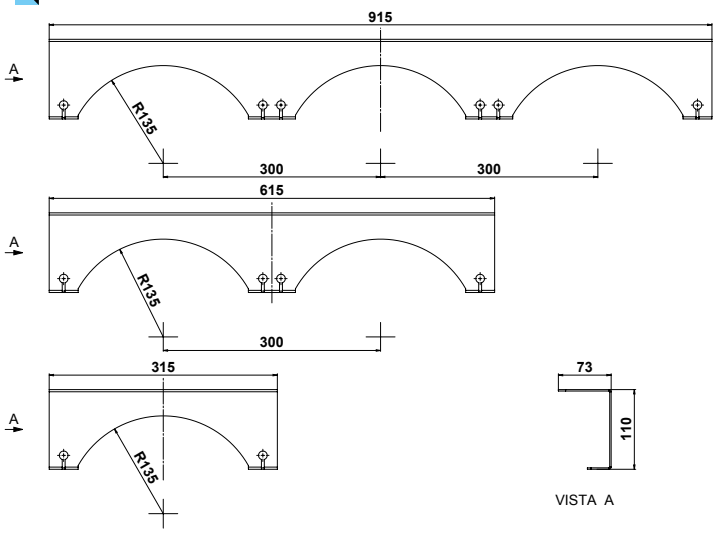
Oxyturbo proposes accessories for cylinder storage in compliance with safety regulations in the workplace.

CYLINDER RACKS

Cylinder racks can be placed inside the laboratory or warehouse.
They are made of laser-cut INOX 430 stainless steel sheet and are equipped with a white galvanised 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

SIZES FOR WALL MOUNTING



PRODUCTS EQUIPPED WITH QR-CODE

to identify the material and the test certificate

FLEXIBLE CONNECTIONS

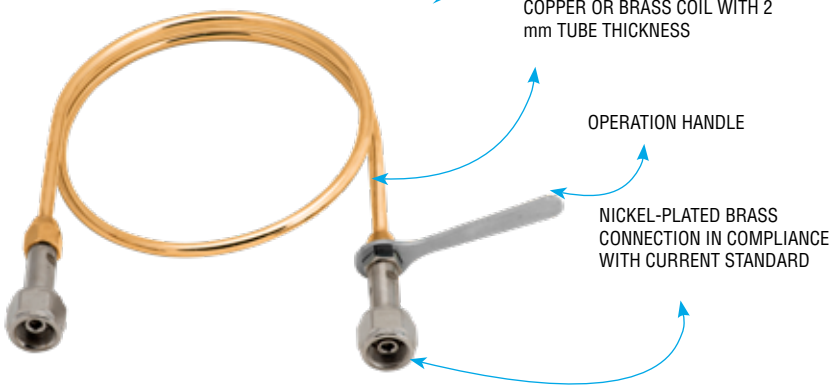
The coils are the element needed to connect cylinders or cylinder packs to manifold systems or directly to the decompression panels on industrial gas distribution systems.

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

COILS SHOULD BE REPLACED EVERY 2 YEARS
(month and year of manufacture are engraved on the cylinder handle).

AVAILABLE LENGTHS

- **1 and 3** meters for copper and brass versions.
- **1-2-3** meters for PTFE versions, double sock cover in stainless steel and coated POLYAMIDE steel with polyurethane cover (soon will be available also 5 meters).



COPPER COILS - BRASS COILS FOR ACETYLENE 1-3 METERS

Coils complete with handle for easy cylinder connection.
Operating pressure: 240 bar - 25 bar for acetylene
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, year/month of production 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 84-85)

FLEXIBLE COILS IN PTFE 1-2-3 METERS

Flexible PTFE coils covered in textile braid, stainless steel braid and protective coating in micro- perforated black thermoplastic with anti-wandering safety cable and maneuvering handle to facilitate connection to the cylinder.
Operating pressure: up to 400 bar
Operating temperature: from -60°C to +260°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, year/month of production 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 84-85)

FLEXIBLE COILS IN POLYAMIDE 1-2-3 METERS

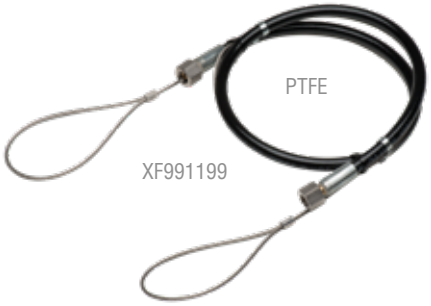
Flexible coils in steel coated polyamide, polyurethane cover and anti-kink safety cable and handle for easy cylinder connection.
Operating pressure: up to 310 bar
Operating temperature: from -40°C to +100°C
It is advisable to use appropriate length flexible coils and to check the condition of the gaskets at each cylinder or cylinder pack change. The production lot number, year/month of production 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 84-85)

COIL SPARE PARTS

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

COIL WITHOUT CONNECTIONS

Available in three different materials and in different lengths. With fitting G1/4" BPS female.



CODE	Description	L =mm	Weight (kg)	No. Pcs.
XF990199	Copper coil	1000	0.40	1
XF990399	Copper coil	3000	1.08	1
XF990199AC	Brass Coil for acetylene	1000	0.40	1
XF990399AC	Brass Coil for acetylene	3000	1.08	1
XF991199	Flexible coil in PTFE	1000	0.30	1
XF991299	Flexible coil in PTFE	2000	0.58	1
XF991399	Flexible coil in PTFE	3000	0.90	1
XF991199H	Flexible coil in PTFE for Hyrdrogen	1000	0.30	1
XF991299H	Flexible coil in PTFE for Hyrdrogen	2000	0.58	1
XF991399H	Flexible coil in PTFE for Hyrdrogen	3000	0.90	1
XF992199	Flexible coil in polyamide (no oxygen and no hydrogen)	1000	0.30	1
XF992299	Flexible coil in polyamide (no oxygen and no hydrogen)	2000	0.58	1
XF992399	Flexible coil in polyamide (no oxygen and no hydrogen)	3000	0.90	1

GASKETS

D09320041

D09320021

D09130001

CODE	Description	Weight (kg)	No. Pcs.
D09320041	Injector gasket CO_2-O_2 – Compressed air. 100 pcs packaging	0.04	1
D09320021	Injector gasket Nitrogen. 25 pcs packaging	0.02	1
D09130001	Injector gasket Hydrogen Methane. 100 pcs packaging	0.03	1

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 *(see below for details for each specific piece of equipment)*	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 *(see below for details for each specific piece of equipment)*	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): *(This check can be made more frequently depending on the conditions of use)*	**This check can be made more frequently depending on the conditions of use**
Pressure regulators (1)	**Visual inspection:** • 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	• 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	• 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	• Verification of correct closing mechanism operation • Junction seal testing at operating pressure	• Junction seal testing at operating pressure	• 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 regulators 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 regulators to provide greater safety during daily work.

PRESSURE REGULATORS
FOR RECHARGEABLE CYLINDERS

The pressure regulator is a unit that is connected to rechargeable cylinders to reduce the pressure of the gases used, as it is unusable by the user at the values in the cylinder. It is also called a pressure reducer as it also has the function of stabilising the pressure at the outlet of the cylinder itself.

Our range includes the following regulators:

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

PRESSURE REGULATORS FOR USE WITH INDUSTRIAL GASES IN CYLINDERS

Designed and manufactured according to the EN ISO 2503 standard which foresees:

- > Safety valve
- > Mandatory markings
- > Gauges according to the standard
- > Unremovable pressure adjusting knob

They are all individually tested to ensure their functionality and user safety.

The standard for connecting regulators to cylinders is **UNI 11144**.

MANDATORY MARKINGS

The EN ISO 2503 standard provides for the following mandatory markings:

- name or trademark of the manufacturer and/or distributor
- the inscription "EN ISO 2503"
- class of the regulator -K- or operating pressure - P2 -
- nominal inlet pressure, - P1-
- gas for which the regulator is intended

GAUGES

The gauges assembled on our regulators are manufactured in accordance with ISO 5171 and are marked as such.

IMPERDIBILITY OF THE PRESSURE ADJUSTMENT KNOB

Our regulators are fitted with a captive-type knob to ensure maximum safety when using the regulator at the highest pressures supplied.

Failure to comply with any one of the above conditions means that the regulator no longer complies with the standard.

INTEGRATED CAPSULE

- All our regulators are equipped with the INTEGRATED CAPSULE with filter for greater reliability and easier maintenance.
- **Each capsule bears a laser-marked batch number for traceability.**

It is important to pay close attention to the marking because it is one of the means by which an original product can be distinguished from a counterfeit product.

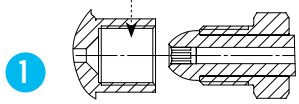
- **Capsules are individually tested** before being assembled on the regulators.

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

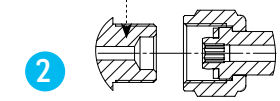
CYLINDER CONNECTIONS

GAS	CHIMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	OUTLET NUMBER
ITALY				
Acetylene	C_2H_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_4H_{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	CH4	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_3H_8	W20 X 1/14" LH	1P - UNI 11144	2
GERMANY, AUSTRIA, SWITZERLAND, CZECH REPUBLIC, SLOVAKIA, HUNGARY, POLAND				
Acetylene	C_2H_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_4H_{10}	W21.8 X 1/14" LH	DIN 477 No.6	2
Carbon dioxide*	CO2	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_3H_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_2H_2	G 5/8 LH	BS 341 No.2	1
Argon	Ar	G 5/8	BS 341 No.3	1
Butane	C_4H_{10}	G 5/8 LH	BS 341 No.4	1
Carbon dioxide	CO2	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_3H_8	G 5/8 LH	BS 341 No.4	1
FRANCE				
Acetylene	C_2H_2	Ø 21 X Ø 10mm	NF E 29-650/A	4
		W 22.91 X 1/14" LH	NF E 29-650/H	1
Argon	Ar	W 21.7 X 1/14"	NF E 29-650/C	2
Butane	C_4H_{10}	W 21.7 X 1/14" LH	NF E 29-650/E	2
Carbon dioxide	CO_2	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_3H_8	W 21.7 X 1/14"LH	NF E 29-650/E	2

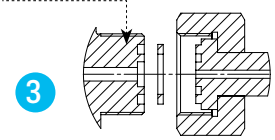
VALVE OUTLET INTERNAL



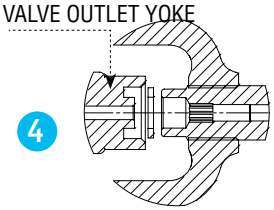
VALVE OUTLET EXTERNAL



VALVE OUTLET EXTERNAL



VALVE OUTLET YOKE



GAS	CHIMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	OUTLET NUMBER
HOLLAND, BELGIUM				
Acetylene	C_2H_2	Ø 20 X Ø 9mm	NEN 3268 YOKE	4
	C_2H_2	G 5/8 LH	NEN 3268 LI2	1
Argon	Ar	W 24.32 X 1/14"	NEN 3268 RU 3	2
Butane	C_4H_{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_3H_8	W21.8 X 1/14" LH	NEN 3268 LU 1	2
SWEDEN, NORWAY, FINLAND				
Acetylene	C_2H_2	G3/4	SS 2238/C2	1
Argon	Ar	W24.32 X 1/14"	SS 2238/A	2
Butane	C_4H_{10}	CGA 510 LH	SS 2238/C1	1
	C_4H_{10}	W21.8 X 1/14" LH		2
Carbon dioxide	CO_2	W21.8 X 1/14"	SS 2238/A	2
Air		G 5/8	SS 2238/C2	1
Helium	He	W24.32 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_3H_8	CGA 510 LH	SS 2238/C1	1
	C_3H_8	W21.8 X 1/14" LH		2
SPAIN, PORTUGAL				
Acetylene	C_2H_2	YOKE	YOKE	4
	C_2H_2	Ø 22.91 X 1/14" LH	MIE AP7	1
Argon	Ar	W21.7 X 1/14"	MIE AP7	2
Butane	C_4H_{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_3H_8	W 21.7 X 1/14" LH	MIE AP7	2
U.S.A.				
Acetylene	C_2H_2	CGA 510 LH	CGA V-1	1
Argon	Ar	CGA 580	CGA V-1	1
Butane	C_4H_{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_3H_8	CGA 510 LH	CGA V-1	1

EN ISO 2503

WARRANTY 3 YEARS

NEVOC SYSTEM

The pressure regulators 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 to use increasingly higher filling pressures has led Oxyturbo to adopt the new NEVOC cylinder valve connection for industrial applications requiring a pressure of 300 bar.

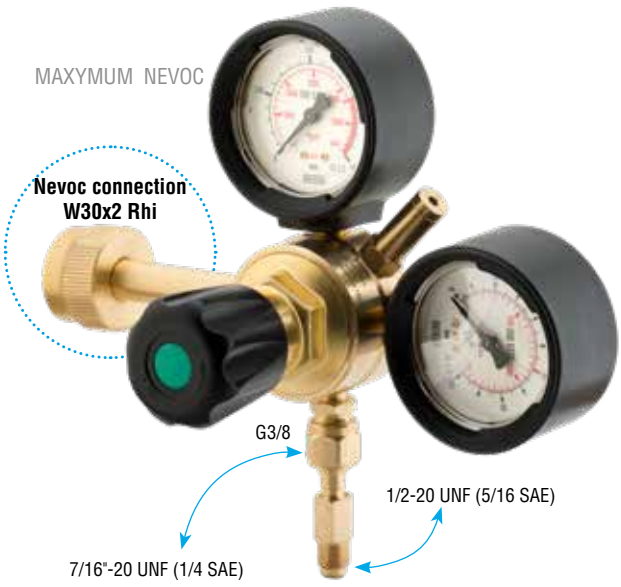
NEVOC stands for **New European Valve Outlet Connections**. The NEVOC system was designed to facilitate the future harmonisation of gas cylinder connections throughout Europe. Recently, however, **ISO 5145** has replaced the NEVOC system.

USE

High-quality engineering maintains stable regulation throughout the life of the cylinder, reducing gas consumption, promoting safety and increasing the efficiency of applications. We can supply models with outlet pressures **from 10 to 100 bar**, suitable for all types of inert gases including **nitrogen, helium and argon** particularly suitable for heavy cutting applications.

GAS USED:
OXYGEN
INERT GASES

MAXYMUM NEVOC



MAXY NEVOC

MAXYMUM NEVOC - OUTLET 3/8

*APPROVED UP TO **300 BAR** **TESTED UP TO **300 BAR**

P1 Inlet pressure 300 bar - P2 Outlet pressure 100-60-40-20 bar

GAS	Maxymum 100 bar	Maxymum 60 bar	Maxymum 40 bar	Maxymum 20 bar
OXYGEN*	290200.100NVC	290200.NVC	290200.40NVC	290200.20NVC
INERT GASES**	294200.100NVC	294200.NVC	294200.40NVC	294200.20NVC

Weight of pressure regulator **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

*APPROVED UP TO **300 BAR** **TESTED UP TO **300 BAR**

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

EN ISO 2503

WARRANTY 3 YEARS

MAXYMUM

Professional pressure regulators for operating pressures up to 100 bar.

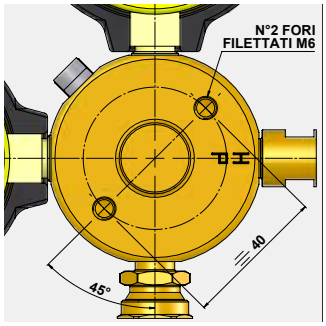
A new series of professional regulators obtained with brass bar production technology.

GAS FLOW >200 m³/h

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.**

GAS USED:
OXYGEN
NITROGEN
ARGON
CO_2
HYDROGEN
COMPRESSED AIR



On the back are present two threaded holes M6 at interaxle spacing 40mm for potential wall-mounting.

TECHNICAL FEATURES OF MAXYMUM REGULATORS

- 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 regulator body which allows regulator 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 Ø 63mm pressure gauges are protected by suitably sized protective caps.
- MAXYMUM regulators 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.

Upon request we supply the regulator with gas connections not in the catalogue


296200


296200.20


293250.100


298250.100

MAXYMUM 100 - 60 - 40 - 20 BAR

APPROVED UP TO **300 BAR**


294200.100

Particularly suitable for cleaning air conditioning systems or inflating tires. Available with four different pressure settings.
The nitrogen and the argon versions are supplied with a kit of two connections: 1/4 SAE and 5/16 SAE. For these two gases and also for CO_2 the 60bar version is Apragaz approved.
The lubrication of the internal O-rings of the regulator is carried out using a lubricant (specific grease) compatible with oxygen, approved by BAM. (Only for the oxygen version)

MAXYMUM 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
OXYGEN	G1/4	290200.100	290201.100	290203.100	290203.100	290203.100	290200.100	290203.100	
	9/16"								290295.100
ARGON	1/4 SAE + 5/16 SAE	296200.100	296201.100	296203.100	295202.100	296209.100	296204.100	296202.100	296205.100
HYDROGEN	G1/4	293200.100	293251.100	293203.100	293201.100	293201.100	293201.100	293201.100	293205.100
AIR	G1/4	298250.100	298253DIN.100	298203.100		298209.100	298203.100	298208.100	298205.100

Weight of pressure regulator **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

MAXYMUM 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
OXYGEN	G1/4	290200	290201	290203	290203	290203	290200	290203	
	9/16"								290295
ARGON	1/4 SAE + 5/16 SAE	296200	296201	295203	296202	296209	296204	296202	296205
CO2	1/4 SAE + 5/16 SAE	295200	296201	295200	295200	295209	295200	295200	295205
HYDROGEN	G1/4	293200	293251	293203	293201	293201	293201	293201	293205
AIR	G1/4	298250	298253DIN	298203		298209	298203	298208	298205

Weight of pressure regulator **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**

290200.40

MAXYMUM 40 BAR Low pressure gauge 0-60 bar red mark 46 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
OXYGEN	G1/4	290200.40	290201.40	290203.40	290203.40	290203.40	290200.40	290203.40	
	9/16"								290295.40
ARGON	1/4 SAE + 5/16 SAE	296200.40	296201.40	296203.40	295202.40	296209.40	296204.40	296202.40	296205.40
CO2	1/4 SAE + 5/16 SAE	295200.40	296201.40	295200.40	295200.40	295209.40	295200.40	295200.40	295205.40
HYDROGEN	G1/4	293200.40	293251.40	293203.40	293201.40	293201.40	293201.40	293201.40	293205.40
AIR	G1/4	298250.40	298253DIN.40	298203.40		298209.40	298203.40	298208.40	298205.40

Weight of pressure regulator **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**

296200.20

MAXYMUM 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
OXYGEN	G1/4	290200.20	290201.20	290203.20	290203.20	290203.20	290200.20	290203.20	
	9/16"								290295.20
ARGON	1/4 SAE + 5/16 SAE	296200.20	296201.20	296203.20	295202.20	296209.40	296204.20	296202.20	296205.20
CO2	1/4 SAE + 5/16 SAE	295200.20	296201.20	295200.20	295200.20	295209.20	295200.20	295200.20	295205.20
HYDROGEN	G1/4	293200.20	293251.20	293203.20	293201.20	293201.20	293201.20	293201.20	293205.20
AIR	G1/4	298250.20	298253DIN.20	298203.20		298209.20	298203.20	298208.20	298205.20

Weight of pressure regulator **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

WARRANTY 3 YEARS

MAXY
POWER CONTROL

The pressure regulator that allows 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 regulator 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 SUPPLY
They are highly appreciated for the function of the side tap which guarantees a high stability of supply and a saving of the gas used.

ALL OUR REGULATORS ARE TESTED INDIVIDUALLY

GAS USED:
CO_2
ARGON/MIX
OXYGEN
ACETYLENE

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

MAXY POWER CONTROL FOR MIG/MAG/TIG WELDING

TESTED 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 regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 32 L/min

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 regulator **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**

APRAGAZ Certified

MAXY POWER CONTROL FOR OXYGEN

260550

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

K pressure regulator class 3 - P1 Inlet pressure 300 bar - P2 Outlet pressure 10 bar - Q1 standard delivery flow 30 m^3/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 regulator **1.50 Kg** - No.Pcs.**8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **12.20 Kg**

MAXY POWER CONTROL FOR ACETYLENE

261550

261553

K pressure regulator class 2 - P1 Inlet pressure 25 bar - P2 Outlet pressure <1.5 bar - Q1 standard delivery flow 5 m^3/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. regulator **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. regulator **1.45 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x2 2** cm - Pack.Weight **11.80 Kg**

IDEAL FOR CUTTING WORKS IN THE DEMOLITION AND STEEL INDUSTRY SECTOR

EN ISO 2503

WARRANTY 3 YEARS

MAXY

Always the same quality, now in a refined design.

FEATURES

MAXY regulators 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 regulator body is made of brass and pickled to withstand oxidation over time.

USE

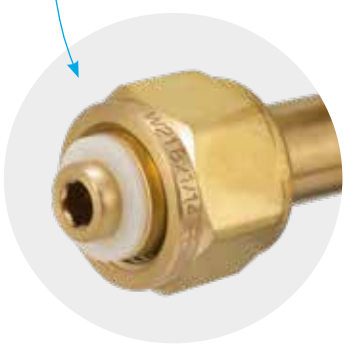
Ideal for equipping flame welding units and professional machines.

ACCURATE, STRONG, RELIABLE, INDESTRUCTIBLE

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

GAS USED:
CO_2
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE
NITROGEN
COMPRESSED AIR
HYDROGEN/METHANE
HELIUM

All our cylinder attaching nuts bear thread designation.



The marking on the body indicates gas used. The newly designed knob has been ergonomically improved.

MAXY FOR MIG/MAG/TIG WELDING

TESTED UP TO **300 BAR**

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 CO_2 regulators can also be combined with a pre-heater (see page 112) to eliminate the "brine" effect. The argon fitting inserted in some versions allows the use of the CO_2 regulator 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 regulators have been upgraded for an adjustable flow up to 32 L/min at 4 bar operating pressure.

Available also the version with 10 bar outlet pressure.

K pressure regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow in 32 L/min

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

ARGON FITTINGS

C5649000

C5649002

These fittings allow you to use all CO_2 regulators with argon/mixture cylinders and all argon/mixture regulators with CO_2 cylinders.

CODE	Description	CO_2 pressure regulator inlet	Argon cylinder inlet	Weight (kg)	No.Pcs.
C5649000	CO_2/ARGON FITTING	W 21.80 RHE	W 24.51 RHE	0.19	1
C5649002	ARGON/CO_2 FITTING	W 24.51 RHI	W 21.80 RHI	0.25	1

MAXY FOR MIG/MAG/TIG WELDING WITH FLOW METER

TESTED UP TO **300 BAR**

266400

Regulators 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.

K pressure regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 3.5 bar - Q1 standard delivery flow 30 L/m

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 regulator **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 FOR MIG/MAG/TIG WELDING WITH TWO, FOUR AND SIX FLOW METERS

TESTED UP TO **300 BAR**

For special work needs, regulators with two, four or six flow meters are available. These allow the same regulator to be used with two and up to six welders that also work with different outputs.

K pressure regulator class 1 – P1 Inlet pressure 300 bar – P2 Outlet pressure 3.5 bar – Q1 standard delivery flow 30 L/min x 2 – 30 L/min x 4 – 30 L/min x 6

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO_2	G1/4	265800	266801	265800	265800	265809	265800	265800	265805
	G1/4	265800.04	266801.04	265800.04	265800.04	265809.04	265800.04	265800.04	265805.04
	G1/4	265800.06	266801.06	265800.06	265800.06	265809.06	265800.06	265800.06	265805.06
ARGON	G1/4	266800	266801	266803	265800	266809	266804	265800	266800
	G1/4	266800.04	266801.01	266803.04	265800.04	266809.04	266804.04	265800.04	266800.04
	G1/4	266800.06	266801.06	266803.06	265800.06	266809.06	266804.06	265800.06	266800.06

TWO FLOW METERS: Weight of pressure regulator **1.70 Kg** – No. Pcs. **6** – Pack dim. (l x w x h) **53 x 25 x 37.5 cm** – Pack. Weight **10.50 Kg**.
FOUR FLOW METERS: Weight of pressure regulator **2.95 Kg** – No. Pcs. **1** – Pack dim. (l x w x h) **45.5 x 30.5 x 17 cm** – Pack. Weight **2.95 Kg.**
SIX FLOW METERS: Weight of pressure regulator **3.80 Kg** – No. Pcs. **1** – Pack dim. (l x w x h) **45.5 x 30.5 x 17 cm** – Pack. Weight **3.80 Kg.**

266800

266800.06

MAXY FOR OXY ACETYLENE AND OXY PROPANE WELDING

APPROVED UP TO **300 BAR**

A very solid structure for a vertically controlled regulator with lateral connection, designed and built to ensure accurate and safe use of gases. The ergonomic knob allows the user to adjust the flame during welding operations so that it always remains neutral and reducing.
They are particularly suitable for heavy cutting uses in the demolition sector and in the steel industry.
The Oxygen and Acetylene versions are Apragaz approved.

260250

MAXY FOR OXYGEN

K pressure regulator 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 regulator **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

261253

MAXY FOR ACETYLENE

K pressure regulator 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. regulator **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. regulator **1.35 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22** cm - Pack.Weight **11.00 Kg**

262350

MAXY FOR PROPANE

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

MAXY FOR SPECIAL APPLICATIONS

TESTED UP TO **300 BAR**

264250

Built for use with compressed gases up to 300 bar, they allow for high output values. Recommended for tire fitting, fire extinguisher charging and arc welding.

MAXY FOR NITROGEN

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

CONVERSION FITTINGS FOR OXYGEN AND CO_2

APPROVED UP TO **300 BAR**

C5419000

C5419001

Fittings are available that allow all our O_2 and CO_2 regulators to be used with nitrogen cylinders and nitrogen regulators with O_2 and CO_2 cylinders.

CODE	Description	CO_2 pressure regulator inlet	Argon cylinder inlet	Weight (kg)	No.Pcs.
C5419000	NITROGEN FITTING	W 21.80 – 1/14 RHE	W 21.80 – 1/14 RHE	0.09	1
C5419001	NITROGEN FITTING	W 21.80 – 1/14 RHI	W 21.80 – 1/14 RHI	0.09	1

EN ISO 2503

WARRANTY 3 YEARS

MAXYSMART

Great Italian quality with a small price.

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

GAS USED:
CO_2
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE

INTEGRATED CAPSULE

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

A new regulator body design has made it lighter without giving up safety. A series of joined components make it extremely cost effective.

MAXYSMART FOR MIG/MAG/TIG WELDING

TESTED UP TO **300 BAR**

245200.03

246200.03

Built for use with compressed gases up to 300 bar, they are particularly suitable for use on MIG/MAG/TIG welding machines. The new body design and the high-resistance polymer cover make the MaxySmart lighter but equally performing and safe. Although essential, even for the MaxySmart regulator we have used Ø 63 mm pressure gauges with 32 L/min at 4 bar.
These regulators all have a double cap and a L=110 mm injector.

K pressure regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 32 L/m

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 regulator **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 WITH 1 OR 2 FLOW METERS

TESTED UP TO **300 BAR**

246400.98

For greater flexibility in welding work, the regulators with flow meter are also available with a 0-4 bar **regulator pressure adjustment knob**. The greatest precision in reading the flow meter scale is obtained with the knob fully screwed in. For special work needs, regulators with **two flow meters** are available. These allow the same regulator to be used with two welding machines that also work with different outputs. The **nitrogen** version is also available.

K pressure regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 3.5 bar - Q1 standard delivery flow 30 L/min

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO_2 + 1 FLOW METER	G1/4	245400.98	246401.98	245400.98	245400.98	245409.98	245400.98	245400.98	245405.98
ARGON + 1 FLOW METER	G1/4	246400.98	246401.98	246403.98	245400.98	246409.98	246404.98	245400.98	246400.98
N_2 + 1 FLOW METER	G1/4	244400.98	244401.98	244403.98	244402.98	244409.98	244404.98	244402.98	244495.98

Weight of pressure regulator **1.20 Kg** - No.Pcs.**6** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **7,30 Kg**

246800.98

K pressure regulator class 1 – P1 Inlet pressure 300 bar – P2 Outlet pressure 3.5 bar – Q1 standard delivery flow 30 L/min x 2

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO_2 + 2 FLOW METERS	G1/4	245800.98	246801.98	245800.98	245800.98	245809.98	245800.98	245800.98	245805.98
ARGON + 2 FLOW METERS	G1/4	246800.98	246801.98	246803.98	245800.98	246809.98	246804.98	245800.98	246800.98
N_2 + 2 FLOW METERS	G1/4	244800.98	244801.98	244803.98	244802.98	244809.98	244804.98	244802.98	244895.98

Weight of pressure regulator **1.52 Kg** - No.Pcs.**6** - Packaging dimensions (l x w x h) **53 x 25 x 38.5 cm** - Packaging weight **9.40 Kg**

MAXYSMART FOR OXY ACETYLENE AND OXY PROPANE WELDING

APPROVED UP TO **300 BAR**

MAXYSMART FOR OXYGEN

240250

Built in compliance with EN ISO 2503, they allow easy reading of the pressure on the pressure gauges and precise adjustment of the delivery thanks to the newly designed ergonomic knob.
In the acetylene version, they are available with two different types of cylinder connection depending on the user's needs: with bullnose, nut or with yoke. The oxygen and acetylene versions are Apragaz approved.
These regulators are all supplied with an assembled double cap.

K pressure regulator 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 regulator **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

241250

241253

K pressure regulator 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. regulator **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. regulator **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

242350

K pressure regulator 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				

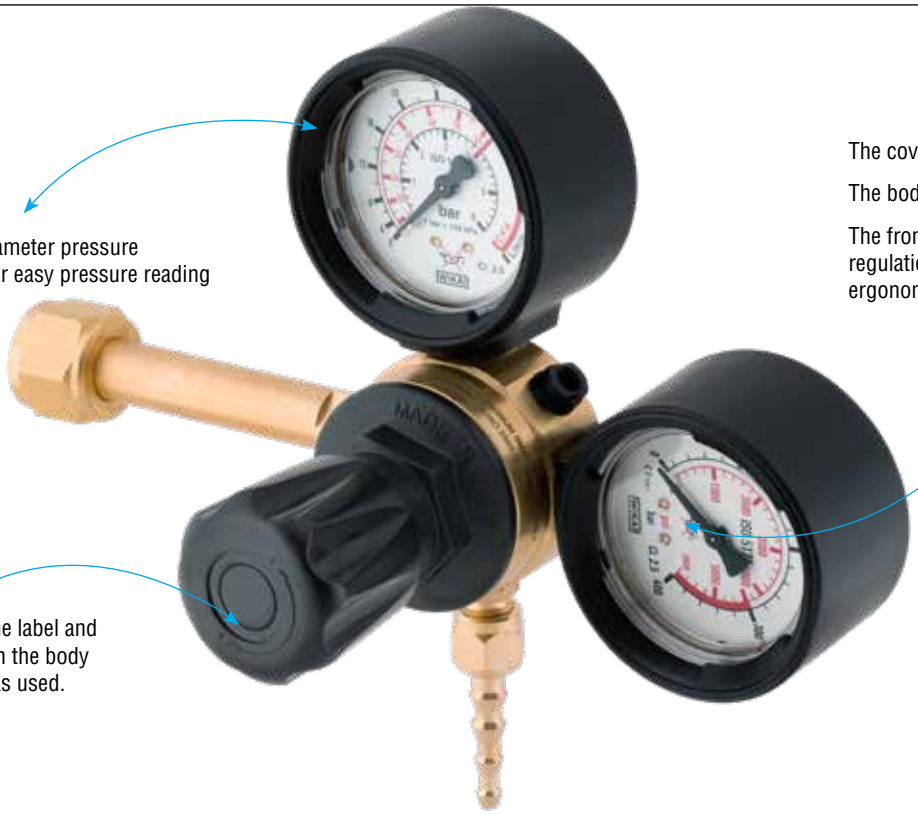
Weight of pressure regulator **1.15 Kg** - No.Pcs. **8** - Packaging dimensions (l x w x h) **41 x 29 x 22 cm** - Packaging weight **9.20 Kg**

EN ISO 2503

WARRANTY 3 YEARS

MAGNUMSMART

Solid, accurate and now with a new design.



63mm diameter pressure gauges for easy pressure reading

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.

The color of the label and the marking on the body indicate the gas used.

GAS USED:
CO_2
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE

MAGNUMSMART FOR MIG/MAG/TIG WELDING

TESTED UP TO **300 BAR**

285200MS

Allow 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 a they have a practical front adjusting knob.

K pressure regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 32 L/min

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 regulator **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**

MAGNUMSMART FOR MIG/MAG/TIG WELDING WITH KNOB

286400MS.98

The regulators with flow meter are also available in the version with 0-4 bar pressure regulation knob for greater flexibility in welding jobs.

K pressure regulator class 1 – P1 Inlet pressure 300 bar – P2 Outlet pressure 3.5 bar – Q1 standard delivery flow 30 L/min

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO_2 + 1 FLOW METER	G1/4	285400.98	286401.98	285400.98	285400.98	285409.98	285400.98	285400.98	285405.98
ARGON + 1 FLOW METER	G1/4	286400.98	286401.98	286403.98	285400.98	286409.98	286404.98	285400.98	286400.98

Weight of pressure regulator **1.40 Kg** – No.Pcs. **4** – Packaging dimensions (l x w x h) **45.5 x 30.5 x** 17 – Packaging weight **5.80 Kg**

MAGNUMSMART FOR OXY ACETYLENE AND OXY PROPANE WELDING

TESTED UP TO **300 BAR**

These regulators are particularly suitable for use on rechargeable cylinders for oxy-cutting work. In the acetylene version, they are available with two different types of cylinder attachment depending on the different needs of the user: with bullnose, nut or with yoke. The colored label on the knob identifies the gas used.

280250MS

MAGNUMSMART FOR OXYGEN

K pressure regulator 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 regulator **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**

281250MS

MAGNUMSMART FOR ACETYLENE

K pressure regulator 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.regulator **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. regulator **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**

281253MS

MAGNUMSMART FOR PROPANE

K pressure regulator 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 regulator **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**

282350MS

MAGNUMSMART FOR SPECIAL APPLICATIONS

TESTED UP TO **300 BAR**

284250MS

K pressure regulator 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 regulator **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**

EN ISO 2503

WARRANTY 3 YEARS

MAGNUMSMART
REAR SIDE

A new rear-mounted regulator designed for kits with rechargeable cylinders.

63mm diameter pressure gauges for easy pressure reading

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

The body is machined directly from brass bar

GAS USED:
OXYGEN
ACETYLENE
PROPANE

The cover is made of high resistance polymer

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

MAGNUMSMART R. S. FOR OXY ACETYLENE AND OXY PROPANE WELDING

TESTED UP TO **300 BAR**


280550MS

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

MAGNUMSMART REAR SIDE FOR OXYGEN

K pressure regulator 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 regulator **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**


281553MS

MAGNUMSMART REAR SIDE FOR ACETYLENE

K pressure regulator 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.regulator **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. regulator **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**


282550MS

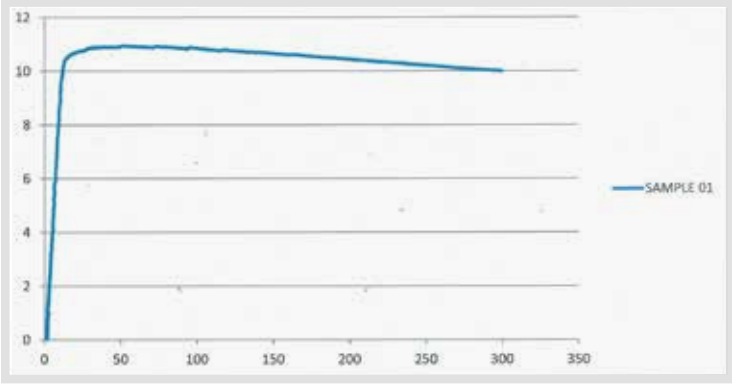
MAGNUMSMART REAR SIDE FOR PROPANE

K pressure regulator 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 regulator **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**

COEFFICIENT OF IRREGULARITY OF OXYGEN REGULATORS



Our Apragaz approved pressure regulators have been tested in compliance with the EN ISO 2503 standard and the irregularity coefficient graph has been reconstructed for each regulator.

EN ISO 2503

WARRANTY 3 YEARS

MINI

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

Mini is a compact regulator, 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 regulator:

- **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

GAS USED:
CO_2
ARGON/MIX
OXYGEN
ACETYLENE
PROPANE

Indelible marking on each individual regulator body.

MINI FOR MIG/MAG/TIG WELDING

TESTED UP TO **300 BAR**

Despite their small dimensions, these regulators are tested for an inlet pressure up to 300 bar which makes them the most suitable regulators for use with mobile equipment and for continuous MIG/MAG/TIG welding. The CO_2 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 regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 12 L/min

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 regulator **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 regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 12 L/min

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 regulator **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 regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 12 L/min

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 regulator **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 regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 12 L/min

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 regulator **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 WITH FLOW-METER

Available version with fixed calibration flowmeter 3.5 bar scale 0-30 l/min which is particularly suitable for jobs where the flow measurement requires greater immediacy and precision in reading.
Complete with cap on the pressure gauge.

K pressure regulator class 1 - P1 Inlet pressure 300 bar - P2 Outlet pressure 3,5 bar - Q1 standard delivery flow 30 L/min

GAS	GAUGES	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
CO_2	H.P. + FLUX	255400.20	256401.20	255400.20	255400.20	255409.20	255400.20	255400.20	255405.20
ARGON	H.P. + FLUX	256400.20	256401.20	256403.20	255400.20	256409.20	256404.20	255400.20	256400.20

Weight of pressure regulator **0.87 Kg** - No.Pcs.**6** - Packaging dimensions (l x w x h) **45 x 30 x 15,5 cm** - Packaging weight **6.00 Kg**

MINI FOR OXY ACETYLENE AND OXY PROPANE WELDING

APPROVED UP TO **300 BAR**

The rear connection, the small size and the front adjustment knob make these regulators widely used in oxyacetylene and oxypropane welding kits. They are supplied with black pressure gauge protection caps and the gas used is identified by the label on the knob. The oxygen and acetylene versions are Apragaz approved.

MINI FOR OXYGEN

250250

K pressure regulator 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 regulator **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

251250

251253

K pressure regulator 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. regulator **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. regulator **0.85 Kg** - No.Pcs.**16** - Pack. dimensions (l x w x h) **41 x 36 x 24 cm** - Pack.Weight **13,80 Kg**

MINI FOR PROPANE

252350

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

EN ISO 2503

WARRANTY 3 YEARS

MAGNUM MARINE

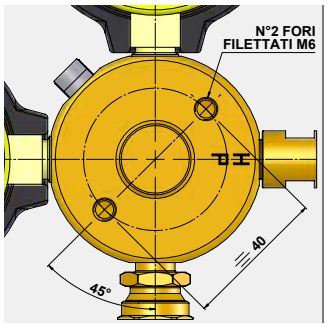
Pressure regulator for **UTR™ cylinders.**

Oxyturbo provides a complete range of regulators suitable for **Unitor Standard** gas cylinders used for various applications on ships. They are designed to be safe and reliable and guarantee a correct and stable operating pressure thanks to the fitted safety device for the discharge of overpressures. The ø 63mm pressure gauges complete with high strength polymer protection caps and frontal pressure regulation also make these regulators easy and reliable to use.

Use

Designed for highly professional use, they are ideal for all types of applications on board, from cutting to welding tasks.

GAS USED:
OXYGEN
ACETYLENE
CO_2
ARGON
NITROGEN
PROPANE



On the back there are 2 M6 threaded holes at 40mm interaxle spacing for possible fastening

CODE	Description	Outlet	Class K	P1 (bar)	P2 (bar)	Q1 (m³/h)	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
280250	MAGNUM OXYGEN	G3/8	4	300	12.5	40	1.45	4	30.5X45.5X16.5	4.80
281254	MAGNUM ACETYLENE	G3/8	2	25	<1.5	5	1.4	4	30.5X45.5X16.5	4.80
285205	MAGNUM CO_2 CGA320	G1/4	1	300	4	>2	1.45	4	30.5X45.5X16.5	4.80
285205.10	MAGNUM CO_2 CGA320	G1/4	4	300	12.5	40	1.45	4	30.5X45.5X16.5	4.80
286204	MAGNUM ARGON	G1/4	1	300	4	>2	1.45	4	30.5X45.5X16.5	4.80
284251	MAGNUM NITROGEN W24,32 DIN	G3/8	4	300	12.5	40	1.45	4	30.5X45.5X16.5	4.80
282351	MAGNUM PROPANE	G3/8	1	25	4	15	1.2	6	30.5X45.5X16.5	6.8
194822	STAINLESS STEEL BRACKET KIT WITH M6 SCREWS						0.05	1		

PRESSURE REGULATORS
FOR DISPOSABLE CYLINDERS

All our pressure regulators 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 regulator shall no longer comply with the standard.

ALL OUR PRESSURE REGULATORS ARE TESTED INDIVIDUALLY TO ENSURE USER SAFETY

EN ISO 2503

WARRANTY 3 YEARS

MIGNON

Small regulators with high performance for CO_2 / Argon / Mix / Nitrogen

Even the small size of these regulators still manages 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 40mm diameter pressure gauges.

USE

Regulators built for intermediate pressures 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 MIG/MAG WELDING WITH DISPOSABLE CYLINDERS

225200

225300

225000

MIGNON FOR MIG/MAG WELDING

K pressure regulator class 1 - P1 Inlet pressure 150 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 6 L/min

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

MIGNON NITROGEN FOR SPECIAL APPLICATIONS

K pressure regulator 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

WARRANTY 3 YEARS

MICRO

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

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 MIG/TIG WELDING

K pressure regulator class 1 - P1 Inlet pressure 130 bar - P2 Outlet pressure 4 bar - Q1 standard delivery flow 6 L/min

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 CYLINDERS FOR MIGNON E MICRO

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 Cylinder110bar 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

EN ISO 2503

WARRANTY 3 YEARS

ECOFLUX VALVES

NEW

Ideal for MIG/MAG and TIG welding applications

ECOFLUX valves prevent gas waste during non-continuous welding.
Normally, every time a welding operation is interrupted, a gas builds up in the pipe that goes from the regulator to the welding machine.
The use of ECOFLUX valves ensures that when welding is resumed there is no excess gas coming out of the torch which is inevitably wasted and welding restarts at optimal values.
With an ECOFLUX valve it is possible **to reduce gas consumption by up to 50% while simultaneously increasing the quality of the welding**.

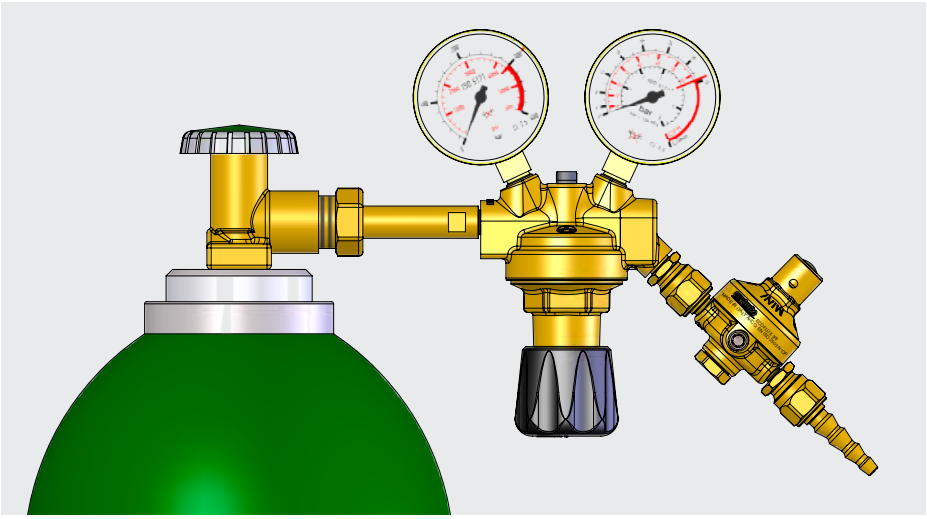
EASY INSTALLATION

They must be assembled directly on the pressure regulator.
ECOFLUX valves must be assembled at the outlet of CO_2, Argon and CO_2/Argon Mix pressure regulators with a G3/8 or G1/4 connection and equipped with a pressure gauge.

TECHNICAL CHARACTERISTICS

P1= 4 bar
P2 = 1.1 – 1.3 bar

CODE	Description	Weight (kg)	No. Pcs.
260000	Ecoflux G3/8-G3/8	0.30	1
260001	Ecoflux G1/4-G1/4	0.20	1



FITTINGS AND ACCESSORIES

G3/8 G1/4

490385

NUTS AND HOSE CONNECTIONS

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

CODE	Description	Weight (kg)	No.Pcs.
490480	G1/4	0.03	1
490430	G1/4 LH	0.03	1
490380	G3/8	0.04	1
490330	G3/8 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

299707

299706

PREHEATER

Input connection W21.8x1/14F – Output connection W21.8x1/14M.
It enables the elimination of the 'frost effect' on CO_2 – Argon/CO_2 regulators.
The 250 W high-flow preheater can be used both on the single gas cylinder, on the cylinder pack and in centralised distribution systems and is supplied with a socket, 2-meter cable and green light diode when switched on. It can also be used with all inert gases, with oxygen and nitrous oxide and is **certified for use in the food industry**.

CODE	Description	P1max (bar)	P2 (bar)	Flow rate	Weight (kg)	No.Pcs.
299706	230 VOLT - 75 W	200	4	30 L/min	0.85	1
299707	230 VOLT - 250 W	200	6*	10 Nm³/h*	2.30	1

**** See page 30***

R1/4

G1/4 OR G3/8

FLOWMETER

It allows a high precision in reading the delivery at the operating pressure indicated on the internal scale (3.5 bar). Thanks to the presence of the two-color silk-screened column (black writing on a white background), the internal sphere is easily visible and the reading immediate.

CODE	Description	Weight (kg)	No.Pcs.
290300	Flowmeter G1/4 + hose connection	0.26	1
290350	Flowmeter G3/8 + hose connection	0.28	1

INJECTOR GASKETS

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

D0932004

D0932002

D0913000

CODE	Description	Weight (kg)	No. pcs.
D0932002I	Gasket for nitrogen injector 19x8.2x3.2 in Teflon. 25 pcs packaging	0.08	1
D0932004I	Gasket for CO_2 /Argon/O_2 /C_2H_2 injector 18.5x11.5x2 in natural polyamide. 100 pcs packaging	0.04	1
D0913000I	Gasket for propane/hydrogen inkector 16.09x10.3x2 in NBR. 100 pcs packaging.	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

MAXYLAB GAUGES

CODE	Description	Pressure	Ø mm	Connection*	Scale	Red sign
		OXYGEN HIGH PRESSURE				
Q6030210CR	MAXYLAB	HIGH	63	G1/4-R	0-400	300
		OXYGEN LOW PRESSURE				
Q6060202CR	MAXYLAB	BASSA	63	G1/4-R	0-6	4
Q6160201CR	MAXYLAB	BASSA	63	G1/4-R	0-16	10
		OTHER HIGH PRESSURE GAUGES				
Q6030200CR	MAXYLAB	HIGH	63	G1/4-R	0-400	300
		OTHER LOW PRESSURE GAUGES				
Q6060201CR	MAXYLAB	BASSA	63	G1/4-R	0-6	4
Q6160202CR	MAXYLAB	BASSA	63	G1/4-R	0-16	10

WELDING GAUGES

CODE	Description	Pressure	Ø mm	Connection*	Scale	Red sign
		OXYGEN HIGH PRESSURE				
Q6030510I	MAXY	HIGH	63	G1/4-R	0-400	300
Q6030510I	MAXY SMART	HIGH	63	G1/4-R	0-400	300
Q6030510I	MAGNUM MARINE	HIGH	63	G1/4-R	0-400	300
Q6030510I	MAGNUM SMART	HIGH	63	G1/4-R	0-400	300
Q6030510I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-400	300
Q6030510I	MAXYMUM	HIGH	63	G1/4-R	0-400	300
Q6030510I	MEGA HP 60	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
Q6160501I	MAXY SMART	LOW	63	G1/4-R	0-16	10
Q6160510I	MAGNUM MARINE	LOW	63	G1/4-R	0-20	12.5
Q6160501I	MAGNUM SMART	LOW	63	G1/4-R	0-16	10
Q6160501I	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
Q6170500I	MEGA HP 60	LOW	63	G1/4-R	0-100	60
Q6161500I	GAS POINT	LOW	63	G1/4-P	0-16	10
Q6601500I	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
Q6400501I	MAGNUM MARINE	HIGH	63	G1/4-R	0-40	26
Q6400501I	MAGNUM SMART	HIGH	63	G1/4-R	0-40	26
Q6400501I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-40	26
Q6400501I	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
Q6420501I	MAGNUM SMART	LOW	63	G1/4-R	0-2.5	1.5
Q6420501I	MAGNUM SMART RS	LOW	63	G1/4-R	0-2.5	1.5
Q6420501I	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 MARINE	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 MARINE	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAGNUM RS	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAGNUM SMART	HIGH	63	G1/4-R	0-400	300
Q6030500I	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/ 60 / 200	HIGH	63	G1/4-R	0-400	300
Q5000101I	MIGNON	HIGH	50	G1/8-R	0-315	230

*R= radial connection
*RS= rear side connection

CODE	Description	Pressure	Ø mm	Connection*	Scale	Red sign
NITROGEN LOW PRESSURE						
Q6160502I	MAXY	LOW	63	G1/4-R	0-16	10
Q6160510I	MAGNUM MARINE	LOW	63	G1/4-R	0-20	12.5
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
Q6170500I	MEGA HP 60	LOW	63	G1/4-R	0-100	60
Q6521500I	GAS POINT	LOW	63	G1/4-P	0-6	32 l/min=4bar
Q6601500I	GAS POINT LASER	LOW	63	G1/4-P	0-100	60
Q5160501I	MIGNON	LOW	50	G1/8-R	0-16	10
CO_2 / ARGON HIGH PRESSURE						
Q6030500I	MAXY	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAXY SMART	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAGNUM MARINE	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAGNUM SMART	HIGH	63	G1/4-R	0-400	300
Q6030500I	MAGNUM SMART RS	HIGH	63	G1/4-R	0-400	300
Q6030500I	MEGA HP 60	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
CO_2 / ARGON LOW PRESSIONE						
Q6520503I	MAXY	LOW	63	G1/4-R	0-6	32 l/min=4 bar
Q6520503I	MAXY SMART	LOW	63	G1/4-R	0-6	32 l/min=4 bar
Q6160502I	MAXY	LOW	63	G1/4-R	0-16	10
Q6160502I	MAXY SMART	LOW	63	G1/4-R	0-16	10
Q6520503I	MAGNUM MARINE	LOW	63	G1/4-R	0-6	32 l/min=4 bar
Q6160510I	MAGNUM MARINE	LOW	63	G1/4-R	0-20	12.5
Q6520503I	MAGNUM SMART	LOW	63	G1/4-R	0-6	32 l/min=4 bar
Q6520503I	MAGNUM SMART RS	LOW	63	G1/4-R	0-6	32 l/min=4 bar
Q6170500I	MEGA HP 60	LOW	63	G1/4-R	0-100	60
Q6521500I	GAS POINT	LOW	63	G1/4-P	0-6	32 l/min=4bar
Q6061500I	GAS POINT CON FLUSS.	LOW	63	G1/4-P	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
Q6030500I	MEGA HP 60	HIGH	63	G1/4-R	0-400	300
Q4020100I	MINIMUMFLY	HIGH	40	G1/8-R	0-315	230
HELIUM/HYDROGEN/COMPRESSED AIR LOWPRESSURE						
Q6160502I	MAXY	LOW	63	G1/4-R	0-16	10
Q6160510I	MAXY LIFT	LOW	63	G1/4-R	0-20	12.5
Q6170500I	MEGA HP 60	LOW	63	G1/4-R	0-100	60
Q6161500I	GAS POINT	LOW	63	G1/4-P	0-16	10
AZOIDRO HIGH PRESSURE						
Q6030500I	MAJOR HP	HIGH	63	G1/4-R	0-400	300
AZOIDRO LOW PRESSURE						
Q6170500I	MAJOR HP	LOW	63	G1/4-R	0-100	60


D0943002I


D0943001I

GAUGES GASKET

CODE	Description	Weight (kg)	No.Pcs.
D0943001I	G1/8 Gauges gasket 100 pcs packaging	0,008	1
D0943002I	G1/4 Gauges gasket 100 pcs packaging	0,02	1

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

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.

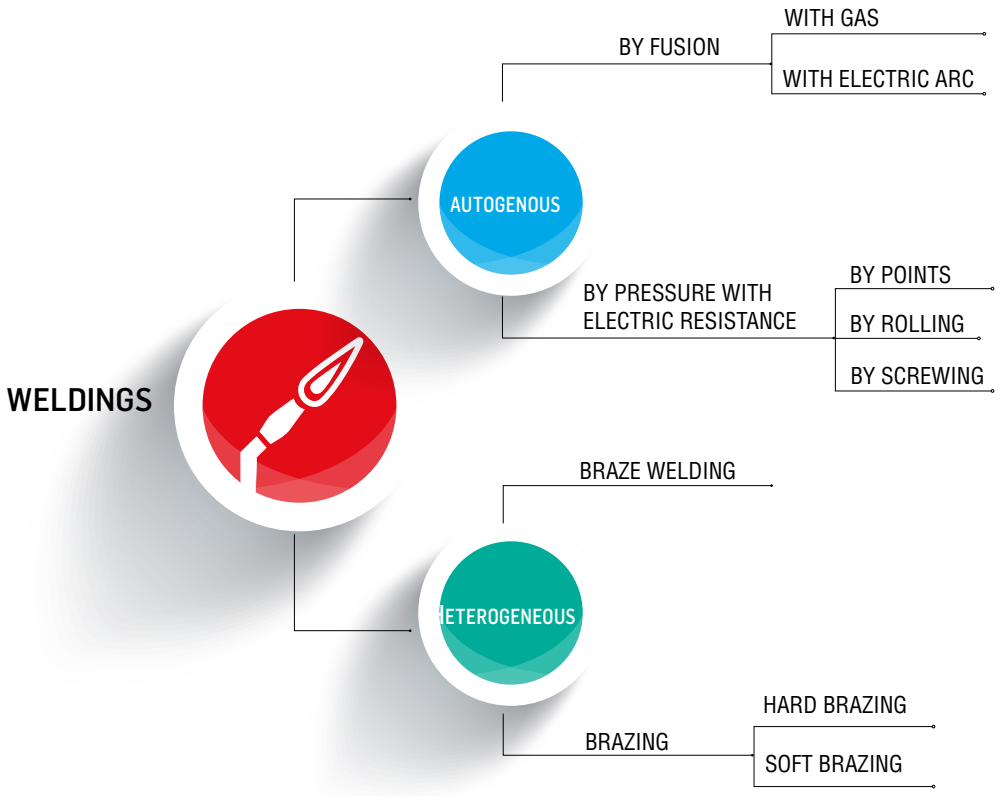
EQUIPMENT	VISUAL INSPECTION - VERIFICATION SEAL TESTING			FREQUENCY OF COMPLETE OVERHAUL OR REPLACEMENT (1)
	EACH TIME THE CYLINDER IS REPLACED OR COMPONENTS ARE CONNECTED	EACH TIME EQUIPMENT IS USED	ANNUALLY	
General, common to all equipment (1)	Follow manufacturer instructions. Always include: Visual 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 (*see below for details for each specific piece of equipment*)	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 (*see below for details for each specific piece of equipment*)	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): (*This check can be made more frequently depending on the conditions of use)*	This check can be made more frequently depending on the conditions of use
Flexible hoses (2)	• 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	• Visual inspection to ensure the proper condition and integrity of hoses (i.e. no shrinkage, cracking, abrasion, etc)	• Visual inspection on bent hoses to determine the absence of tears, bulges, damage and cracks. • Hose seal test at maximum operating pressure	Replacement: • If the visual inspection has detected damage. Or replace every 3 years after commissioning for heavy duty applications (for example at construction sites). • Maximum every 5 years after commissioning in other cases
Safety valves with flashback arrestor and gas return restrictor	Verification: • 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	• Junction seal To be tested at service pressure	• Visual Inspection and seal check outwards at maximum service pressures • Gas return restrictor seal check both at minimum and maximum operating pressures	• 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	• Visual inspection of the conditions of tips, particularly on sealing surfaces. • Junction seal testing at operating pressure.	• Visual inspection of the conditions of tips. • Junction seal testing.	• Complete visual inspection • General external seal testing • Sealing of individual valves (internal)	• 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 regulators 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).

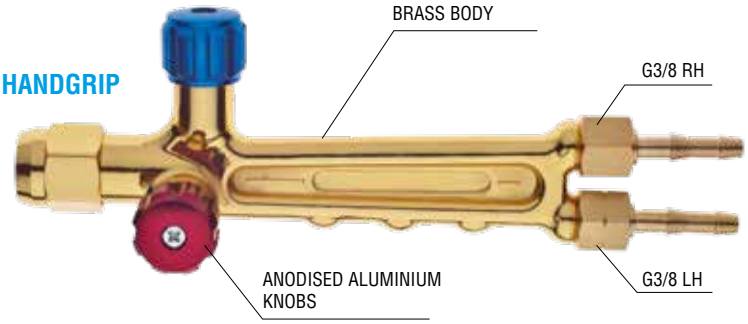
The choice of one welding process with respect to another depends on many factors and must be made considered i.e. **the type of alloy to be welded, the thickness of the parts, the weld position, the type of production (in series or not), and the equipment available in the workshop.**

EN ISO 5172

WELDING MAXI

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

BRASS HANDGRIP



ALUMINIUM HANDGRIP

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	G3/8 RH-G3/8 LH	0.70	1
150500	ALUMINIUM HANDGRIP	M 22X1.25	G3/8 RH-G3/8 LH	0.65	1

SPARE PARTS FOR ALUMINIUM HANDGRIP				
N3708003	Head nut in brass	M22X1.25	0.049	1
N0469000	Complete tap O_2 Aluminium handgrip		0.10	1
N0469001	Complete Gas tap Aluminium Maxi handgrip		0.10	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

WARNING: The values printed on the tips and lances must match. **Do not mount tips of a different size to the original on the 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 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

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

CUTTING NOZZLES H1F

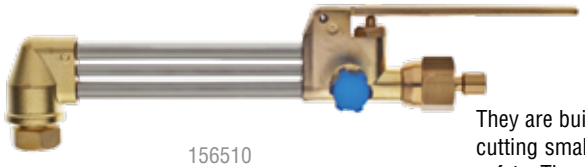
NEW

These are two-piece tips: the external part is made of special copper for all versions, while the internal part is made of special copper for the acetylene tips and brass for the Propane-Methane tips. This makes cleaning the tip much faster and more effective without the need to use special tools and allows for more concentrated heating because the heating flame is very close to the central hole of the cut. They are suitable for all medium and heavy cutting applications for thicknesses from 25mm up to 100mm. Available in the versions for Acetylene and Propane-Methane.

CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157681	H1F ACETYLENE	25	0.06	1
157682	H1F ACETYLENE	50	0.06	1
157683	H1F ACETYLENE	75	0.06	1
157684	H1F ACETYLENE	100	0.06	1

CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
157691	H1F PROPANE-METHANE	25	0.06	1
157692	H1F PROPANE-METHANE	50	0.06	1
157693	H1F PROPANE-METHANE	75	0.06	1
157694	H1F PROPANE-METHANE	100	0.06	1

MIX CUTTING LANCES



156510

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 (suggested only for aluminium handgrip)	0.7	1
156500	Cutting lance with tap	0.7	1

KIT SPARE PART GASKETS FOR MAXI HANDGRIP

The package contains 10 + 10 replacement O-rings for welding, bendable and heating lances: 1.78 x 5.2 and 2.62 x 10.78.

CODE	Description	Weight (kg)	No.Pcs.
KIT003	Kit gaskets for MAXI handgrips. 10 + 10pcs each pack	0.003	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 are 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. They ensure safe operation even for high-powered flames in all types of surface hardening, forging, heating of materials before welding, large brazing, etc. The lances are supplied with tip.

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 tips. They produce a flame that allows precise control of all welding 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

EN ISO 5172

WELDING MINI

A range complete with handgrips, lances and nozzles for welding up to 12.5 mm and cutting up to 100 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 100mm** 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	G1/4 RH-G1/4LH	0.35	1

SPARE PARTS FOR ALUMINIUM HANDGRIP					
N3708002	Head nut in brass	M20X1.25		0.049	1
N0469001	Complete tap O_2 Aluminium handgrip			0.10	1
N0469000	Complete Gas tap Aluminium Mini handgrip			0.10	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. 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

WARNING: 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. 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

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

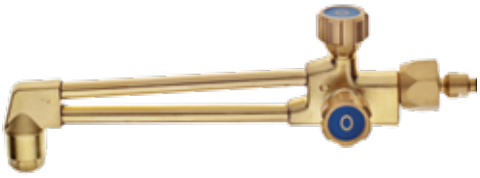
CODE	Description	Thickness (mm)	Weight (kg)	No.Pcs.
147152	NOZZLE 100 L/H	1.0	0.03	1
147153	NOZZLE 160 L/H	1.6	0.03	1
147154	NOZZLE 250 L/H	2.5	0.03	1
147155	NOZZLE 315 L/H	3.0	0.03	1
147156	NOZZLE 500 L/H	5.0	0.03	1

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 100 mm for acetylene and 50 mm for propane. 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
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 are 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

MINI HANDGRIP SPARE PARTS GASKETS

The package contains 10 + 10 replacement O-rings for welding, bendable and heating lances: 1.78 x 3.6 and 2 x 11.

CODE	Description	Weight (kg)	No.Pcs.
KIT004	Kit gaskets for MINI handgrips. 10 + 10pcs each pack	0.03	1

ALL THE COMPONENTS ARE IN COMPLIANCE WITH THE STANDARD OF REFERENCE

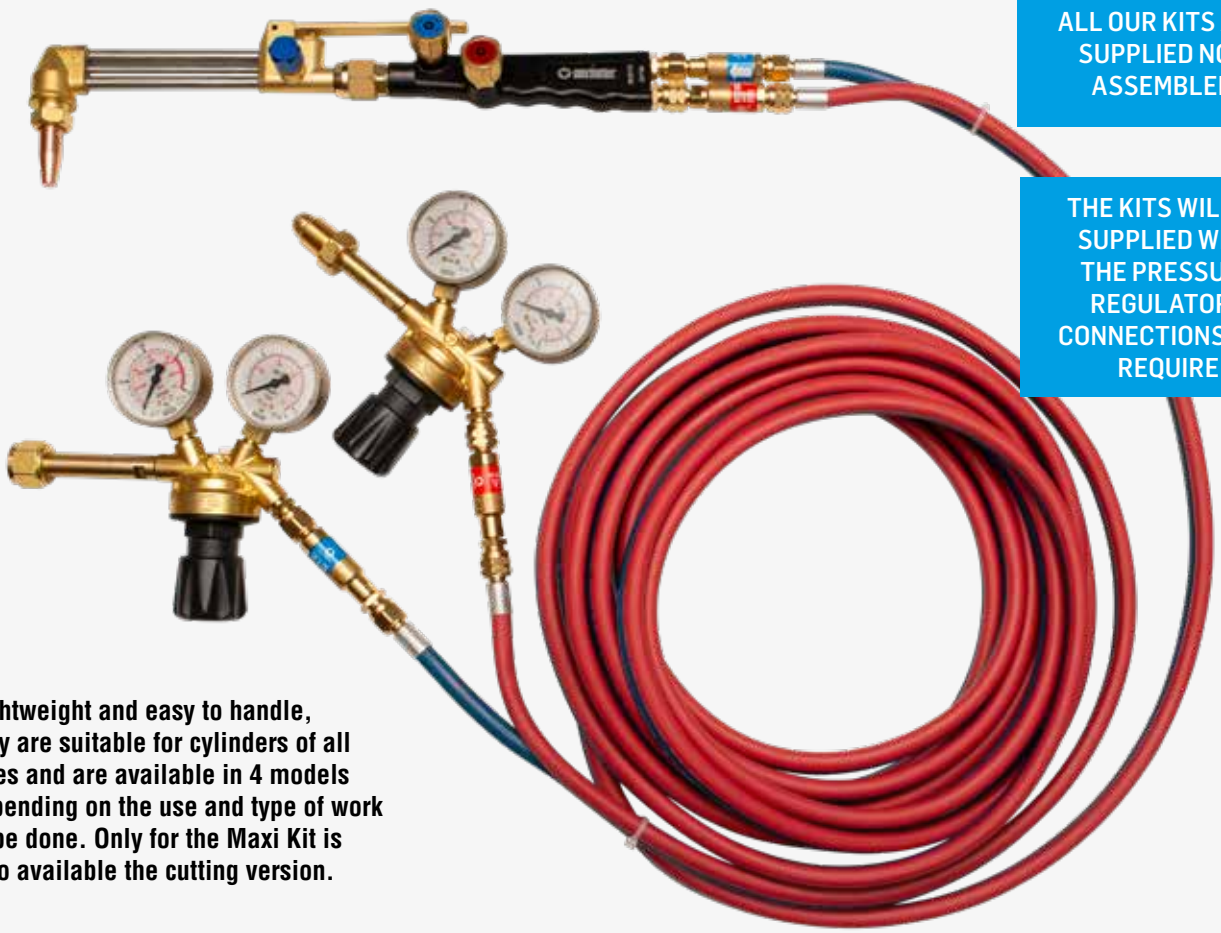
Welding
Maxi Kit and Mini Kit

NEW

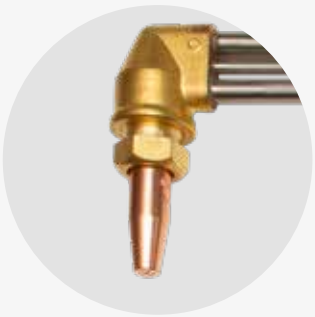
Oxyturbo offers kits in practical cases with a complete terminal for welding to connect to your cylinders.

ALL OUR KITS ARE SUPPLIED NOT ASSEMBLED

THE KITS WILL BE SUPPLIED WITH THE PRESSURE REGULATORS CONNECTIONS YOU REQUIRE



Lightweight and easy to handle, they are suitable for cylinders of all sizes and are available in 4 models depending on the use and type of work to be done. Only for the Maxi Kit is also available the cutting version.



WELDING MAXI KIT ACETYLENE WELDING

To be used with WELDING MAXI series lances and tips.

EQUIPPED WITH:
- MAXY SMART oxygen regulator Q1 = 30 m³/h
- MAXY SMART acetylene regulator Q1 = 5 m³/h
- double protection safety valves for handle
- swifel safety valves for regulators
- G3/8 – G3/8 twin hose
- MAXI handle M22x1.25 connection
- 160 lt/h acetylene welding lance

WELDING MAXI KIT ACETYLENE CUTTING

To be used with lances and tips of the WELDING MAXI series.

EQUIPPED WITH:
- MAXY SMART oxygen regulator Q1 = 30 m³/h
- MAXY SMART acetylene regulator Q1 = 5 m³/h
- double protection safety valves for handle
- swivel safety valves for regulators
- G3/8 – G3/8 twin hose
- MAXI handle M22x1.25 connection
- cutting lance and cutting tip mix acetylene 38 – 50 mm

WELDING MINI ACETYLENE WELDING KIT

To be used with WELDING MINI series lances and tips.

EQUIPPED WITH:
- MINI oxygen regulator Q1 = 5 m³/h
- MINI acetylene regulator Q1 =>1 m³/h
- double protection safety valves for handle
- swivel safety valves for regulators
- G1/4 – G1/4 twin hose
- MINI handle M20x1.25 connection
- 160 lt/h acetylene welding lance

WELDING MINI PROPANE WELDING KIT

TO BE USED WITH WELDING MINI SERIES LANCES AND TIPS.

EQUIPPED WITH:
- MINI oxygen regulator Q1 = 5 m³/h
- MINI propane regulator Q1 =>1 m³/h
- double protection safety valves for handle
- rotating safety valves for regulators
- G1/4 – G1/4 twin hose
- MINI handle M20x1.25 connection
- 100 lt/h propane welding lance

SPARE PARTS

TWIN HOSE RUBBER

TWIN HOSE RUBBER

Twin rubber hoses are definitely the best in terms of quality because the two hoses are not produced individually and then glued but are extruded at the same time: this means that they are welded together without the risk of them coming unstuck over time. They comply with the EN ISO 3821 standard.

CODE	Description	Weight (Kg)	No.Pcs.
455310R	Twin hose O_2-C_2H_2 in 100m roll ø 6.3mm – ø13.3mm	0.31	1
455401R	Twin hose O_2-C_2H_2 in 100m roll ø 8mm – ø 15mm	0.35	1
455402R	Twin hose O_2-GPL in 100m roll ø 8mm – ø15mm	0.35	1
455310	Twin hose O_2-C_2H_2 ø 6.3mm – ø 13.3mm cut to size	0.31	1
455401	Twin hose O_2-C_2H_2 ø 8mm – ø 15mm cut to size	0.35	1
455402	Twin hose O_2-GPL ø 8mm – ø 15mm cut to size	0.35	1

TWIN HOSE RUBBER CONNECTIONS

Sections of different lengths are available with or without intra-tube NRV, equipped with connections on both the handle side and the regulator side.

150420

TWIN HOSE RUBBER CONNECTIONS

CODE	Description	Handle connection	Regulator connection	Length (m)	Weight (Kg)	No.Pcs.
140400	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	4	1.40	1
140400.05	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	5	1.70	1
140400.10	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	10	3.20	1
140450	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	4	1.40	1
140450.05	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	5	1.70	1
140450.10	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	10	3.20	1
140450.15	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	1/4	1/4	15	4.70	1
150400	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	3/8	3/8	4	1.40	1
150400.05	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	3/8	3/8	5	1.70	1
150400.10	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION	3/8	3/8	10	3.20	1
150420	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION+NRV*	3/8	3/8	4	1.60	1
150420.10	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION+NRV*	3/8	3/8	10	3.40	1
150420.12	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION+ NRV*	3/8	3/8	12	4.00	1
150420.15	Twin hose ø 6.3mm – ø 13.3mm WITH CONNECTION+ NRV*	3/8	3/8	15	4.90	1

** NRV= non-return valve*

205051

DOUBLE OUTPUT HOSE CONNECTION

They allow you to convert a single branch into 2 distinct and separate ones. Very practical for conveying gas to two workstations at the same time without necessarily having 2 different origins. The two outlets can be activated and deactivated by means of the adjustment handwheel: it is therefore possible to use one or the other outlet according to needs. Available in the versions for Oxygen (G3/8 RH) and combustible gases (G3/8 LH).
At the outlet of the 2 branches there is a nut and rubber holder for pipes of different sizes.

CODE	Description	Hose length (m)	Weight (Kg)	No.Pcs.
205050	Double output hose connection G3/8 RH with hose connection	0.35	1	1
205051	Double output hose connection G3/8 LH with hose connection	0.35	1	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 regulators, along flexible hoses (hose-hose models) or on torch handles. Normally, the most appropriate use involves one valve for each gas on the pressure regulator 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 ISO 5175-1, however should be checked and replaced after each flashback.

GOOD WELDING ALSO EQUALS HIGHER SAFETY!

VALVES TESTED INDIVIDUALLY. SHOULD BE REPLACED EVERY 5 YEARS

SAFETY VALVES

APRAGAZ APPROVED ACCORDING TO **EN ISO 5175-1**

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 ISO 5175-1), our valves contain:

- the valve model
- the name or abbreviation of the manufacturer and/or distributor
- the number of the reference standard (EN ISO 5175-1)
- the functions performed by the valve (FA for flame return prevention, NV for gas return) the type of gas (abbreviation) for which the valve was designed
- the direction of the normal gas flow
- the maximum operating pressure of the valve expressed in bar.

The colour of the label is also differentiated to identify the valves more immediately and thus facilitate their installation and maintenance.

FLAME ARRESTOR

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

These valves are single protection: they prevent backfire.
They are made with the highest 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

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

FLAME BACK ARRESTOR
VALVE FOR HANDLE

CODE	Description	Connection	Weight (kg)	No.Pcs.
150200	Oxygen valve for handle	G1/4	0.11	1
150250	Gas valve for handle	G1/4 LH	0.11	1
150205	Oxygen valve for handle	G3/8	0.12	1
150255	Gas valve for handle	G3/8 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

FLAME BACK ARRESTOR
HANDLE WITH HOSE CONNECTION

CODE	Description	Connection	Weight (kg)	No.Pcs.
150211	Oxygen valve for handle with hose connection	G1/4	0.14	1
150261	Gas valve for handle with hose connection	G1/4 LH	0.14	1
150212	Oxygen valve for handle with hose connection	G3/8	0.15	1
150262	Gas valve for handle with hose connection	G3/8 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 FLAMEBACK ARRESTORS

SWIVEL SAFETY VALVES FOR REGULATORS - 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 regulator, however they guarantee an adequate flow even for cutting operations up to 300 mm.

FLAME BACK ARRESTOR
SWIVEL SAFETY VALVES FOR
REGULATORS

CODE	Description	Connection	Weight (kg)	No.Pcs.
150206	Oxygen	G1/4	0.12	1
150256	Gas	G1/4 LH	0.12	1
150208	Oxygen	G3/8	0.13	1
150258	Gas	G3/8 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 REGULATORS - FLOW RATE 3,000 L/h

For assembly at output on pressure regulators, ensuring total protection against flame and gas back flow. Max flow rate: 30 m^3/h oxygen, 5 m^3/h (propane), 5 m^3/h (acetylene)

FLAME BACK ARRESTOR
FIXED FOR REGULATORS

CODE	Description	Connection	Weight (kg)	No.Pcs.
150305	Oxygen	G3/8	0.25	1
150355	Gas	G3/8 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

FLAME BACK ARRESTOR WITH QUICK COUPLING FOR HANDLE
DOUBLE PROTECTION NON-RETURN SAFETY VALVE (FA-NV)

They are equipped with connections with self-sealing female Quick Couplings built according to the EN 561-ISO 7290 standard.
The connections must be completed by means of the respective quick couplings with nut, of which codes are indicated in the "**Quick couplings and quick grip sockets for handles**" section, previously connected to the threaded inlets of the handles. The quick couplings allow a fast and safe connection of your pipes to the respective equipment. They are equipped with clear labels identifying the type of gas and its flow orientation in order to guarantee correct assembly.

FLAME BACK ARRESTOR

150205RR

150255RR

CODE	Description	Connection	D	No.Pcs.
150210	Oxygen valve	G3/8 RH	R	1
150260	Gas valve	G3/8LH	R	1

QUICK COUPLINGS AND QUICK SOCKETS WITH SINGLE PROTECTION
(NV) FOR HANDLE

Quick Couplings and Quick Sockets complete the quick connections for handles.
The Quick Sockets have a single protection to block the return of gas (NV). The quick couplings are self-sealing and built according to the EN 561-ISO 7290 standard.
The image alongside represents the connection to the handle with a Quick Socket with a single protection.
The ø 8-9 mm hose holder of the quick sockets must be connected to the rubber hoses with strik rings of adequate size.
The quick couplings allow a fast and safe connection of your hoses to the respective equipment.

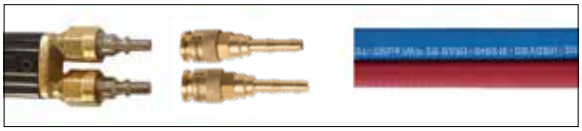
QUICK COUPLINGS

150205IR 150255IR

QUICK SOCKETS

150205PR 150255PR

CODE	Description	Connection	Weight (kg)	No.Pcs.
150205IR	Oxygen quick coupling with nut	G3/8 RH	0.04	1
150255IR	Gas quick coupling with nut	G3/8 LH	0.04	1
150205PR	Oxygen quick socket with hose connection ø8-9mm	Oxygen quick coupling	0.08	1
150255PR	Gas quick socket with hose connection ø8-9mm	Gas quick coupling	0.08	1



QUICK COUPLINGS AND QUICK SOCKETS WITH SINGLE PROTECTION
(NV) FOR REGULATOR

Quick Couplings and Quick Sockets represent the quick connections for Regulators.
The Quick Sockets have a single protection for the blocking of the gas return (NV).
The quick couplings are self-sealing and built according to the EN 561-ISO 7290 standard.
The ø 8-9 mm hose holder of the quick couplings must be connected to the rubber hoses with strik rings of adequate size. The quick couplings allow a fast and safe connection of your hoses to the respective equipment.

QUICK COUPLINGS

150258IR 150208IR

QUICK SOCKETS

150208PR 150258PR

CODE	Description	Connection	Weight (kg)	No.Pcs.
150208IR	Oxygen quick coupling with nut	Hose connection ø 8-9mm	0.015	1
150258IR	Gas quick coupling with nut	Hose connection ø 8-9mm	0.015	1
150208PR	Oxygen quick socket with quick coupling	Nut G3/8 RH	0.085	1
150258PR	Gas quick socket with quick coupling	Nut G3/8 LH	0.085	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 building 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

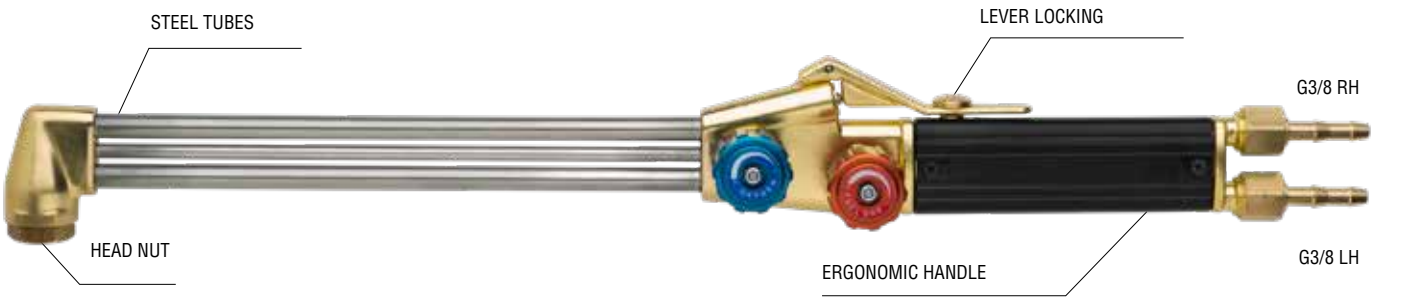
INDESTRUCTIBLE, EASY TO HANDLE, LIGHTWEIGHT!

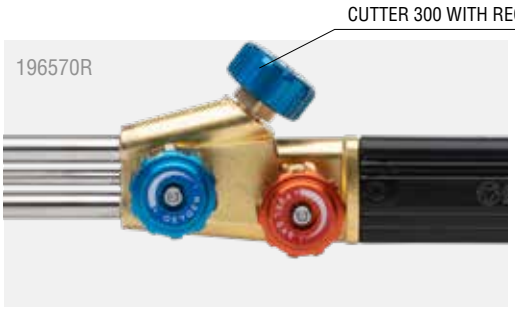
STRAIGHT HEAD CUTTER

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

ALL THE CUTTER ARE TESTED WITH A PRODUCTION BATCH TO ENSURE TRACEABILITY

CUTTER 300
FOR DEMOLITIONS





The CUTTER 300 cutting torch is the new Oxyturbo torch. It can be used to cut up to 300mm thicknesses and uses ANME oxygen/acetylene and PNME tips for oxygen/propane.
Mixing at the tip guarantees maximum operational safety.
The outstanding feature of CUTTER 300 is its practicality; the operator can adjust the gas flow without interrupting the work. The torch also has a device that allows the lever to be locked in applications where a lengthy opening time is required.

Excellent for use on construction sites, in heavy industry and in foundries. Available in three different lengths: **51, 85 and 100 cm**.

The 75° tilt of the head in the new cutter makes it particularly useful for long-lasting cuts as its design provides high maneuverability while still maintaining the solidity provided by the three steel tubes.

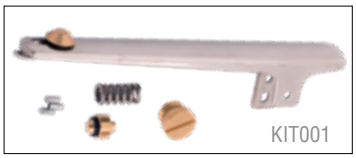
PRACTICAL FLOW REGULATION WITHOUT INTERRUPTION OF WORK

CODE	Description	Length (cm)	Weight (kg)	No.Pcs.
196570	Cutter 300	51	1.35	1
196580	Cutter 300 M	85	1.70	1
196590	Cutter 300 L	100	2.00	1
196610	Cutter 300 75° bent head	85	1.70	1
196570R	Cutter 300 with regulation tap	51	1.20	1

ALL THE CUTTER ARE TESTED WITH A PRODUCTION BATCH TO ENSURE TRACEABILITY

SPARE PARTS


D5338015


KIT001

CUTTER 250 / 350 / 450

CODE	Description	Outlet	Weight (kg)	No.Pcs.
D5338015	Head nut	M22X1.5 (CH24)	0.038	1
N2669902	Complete O_2 regulation knob	-	0.080	1
N2669903	Complete gas regulation knob	-	0.080	1
KIT001	Spare lever kit	-	0.070	1


KIT002

CUTTER 300

CODE	Description	Outlet	Weight (kg)	No.Pcs.
N2669904	Complete O2 regulation knob	-	0.080	1
N2669905	Complete gas regulation knob	-	0.080	1
KIT002	Spare lever kit	-	0.070	1

NOZZLE CLEANER SET

This set allows you to always keep your tips in good working order. It includes 8 files for cleaning tips from ø 0.5mm up to ø 3.1 mm.

CODE	Description	Weight (kg)	No.Pcs.
197190	Nozzles cleaner set	0,1	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 are marked directly on the nozzle and are indicative.

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

CYLINDER HOLDER TROLLEYS

Product quality and safety in the transport of large size cylinders

TROLLEY 50 L

Oxyturbo offers a series of trolleys to facilitate the transport of cylinders especially large ones.
NOT USABLE FOR PROPANE CYLINDERS.

The new trolley for **50 litre cylinders ø 230 mm** has a new chain safety anti-release mechanism; the cylinders containment is possible through a red chain for more visibility.
- The cylinder holder laser cut has a 30/10 thickness. The solid structure is completely welded.
- The new thrust handle allows the trolley to be more ergonomic and safer during the transport.
- The front wheels are made of ø 200mm rubber and the rear swivel wheels are made of rubber and have a ø 125mm intersection.
- Dimensions mm 735x450x1335h
- Dried epoxy powder coating

CODE	Description	Weight (kg)	No.Pcs.
105900	CYLINDER HOLDER TROLLEY 50 L	23.00	1

TROLLEY 14 L

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

TROLLEY 14 L

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

CODE	Description	Cylinder holder ring	Weight (kg)	No.Pcs.
105500	ACETYLENE TROLLEY 5 L	Ø 140-140 mm	3.70	1
105550	PROPANE TROLLEY 5 L	Ø 140-105 mm	3.70	1
105200	TROLLEY 2 L	Ø 105-105 mm	2.20	1

TROLLEY 2 L

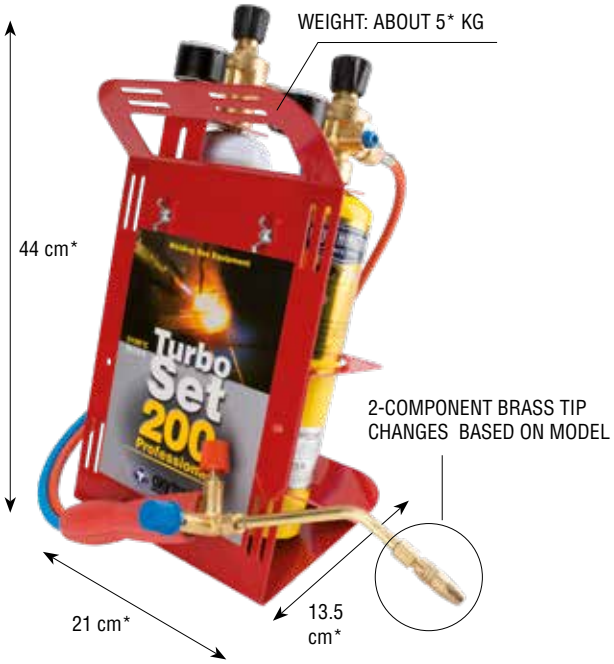
TURBO SET
WELDING KITS

Small kits with great success for gas welding with disposable cylinders and cartridges.

KIT:

- > TURBO SET 200
- > TURBO SET 110
- > TURBO SET 90
- > TURBO SET 30
- > CARTRIDGES AND CYLINDERS SPARE PARTS
- > FILLER METALS

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



Practical and easy to handle, offering excellent results in multiple uses.

EN ISO 1326

3100°C

TURBO SET 200

TURBO SET 200, SMALL AND POWERFUL

The most professional amongst small autogenous welding systems with non-rechargeable 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 regulators 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 regulators enables continued monitoring of oxygen cylinder pressure and optimisation of gas cylinder regulation.

EQUIPPED WITH:

- 1 L 110 bar OXYGEN cylinder
- TURBO GAS PRO 400g CGA600 cylinder
- MIGNON oxygen and gas regulators **with pressure gauge** and dual-protection flashback arrestor valves
- Handle with adjusting taps and no-return integrated oxygen and gas valves
- 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.

S6208011.KIT – AVAILABLE UPON REQUEST

GAS CONSUMPTION
(normal regulation and 160 L tip)
117 g/h

ENDURANCE OF THE O_2 CYLINDER 0.30 h

ENDURANCE OF THE GAS CYLINDER 3.40 h

223855 220650

OPTIONAL MALLEABLE LANCE

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

SPARE PARTS FOR TURBO SET 200

CODE	Description	Connection	Weight (kg)	No.Pcs.
220650	Pressure regulator mignon O_2 with H.P. Gauge	M12X1	0.52	1
223855	Pressure regulator mignon gas with L.P. Gauge	CGA600	0.48	1
110010	Welding assembly kit complete with pressure regulators	M12X1	1.95	1
110011	Welding assembly kit without pressure regulators	-	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
B5910003.KIT	Spare parts kit 3 oxygen cylinder gaskets	-	-	1
S6208011.KIT	Handle support kit	-	0.08	1

ACCESSORIES INCLUDED

EN ISO 1326

3100°C

TURBO SET 110

Supplied with 400g CGA600 gas cylinders. The range includes accessories such as igniters, protective goggles, 4-tip single block star for micro 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:

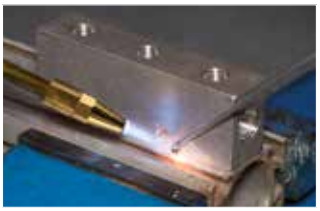
- 1 L 110 bar OXYGEN cylinder
- TURBO GAS PRO 400g CGA600 cylinder
- MIGNON oxygen and gas regulators, **without pressure gauge**, with dual-protection flashback arrestor valves
- 2 m hoses with connections
- Handle with adjusting taps and no-return integrated oxygen and gas valves
- 80 L lance and tip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

S6208011.KIT – AVAILABLE UPON REQUEST

GAS CONSUMPTION
(normal regulation and 80 L tip)
92 g/h

ENDURANCE OF THE O_2 CYLINDER 0.30 h

ENDURANCE OF THE GAS 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

SPARE PARTS FOR TURBO SET 110

CODE	Description	Connection	Weight (kg)	No.Pcs.
220500	Pressure regulator Mignon O_2 without gauges	M12X1	0.36	1
223515	Pressure regulator Mignon gas without gauges	CGA600	0.45	1
110002	Welding assembly kit complete with pressure regulators	M12X1	1.40	1
110005	Welding assembly kit without pressure regulators	-	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
B5910003.KIT	Spare parts kit 3 oxygen cylinder gaskets	-	-	1
S6208011.KIT	Handle support kit	-	0.08	1

220500

223515

ACCESSORIES INCLUDED

EN ISO 1326

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 regulator 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 regulator, **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 micro welding
- Protective goggles
- Multi-purpose wrench
- Igniter
- Filler metal with de-oxidant.

S6208011.KIT – AVAILABLE UPON REQUEST

GAS CONSUMPTION
(normal regulation and 80 L tip)
92 g/h

ENDURANCE OF THE O_2 CYLINDER 0.30 h

ENDURANCE OF THE GAS CYLINDER 3.30 h

201500

220500

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

SPARE PARTS FOR TURBO SET 90

CODE	Description	Connection	Weight (kg)	No.Pcs.
220500	Pressure regulator mignon O_2 without gauges	M12X1	0.36	1
201500	Gas tap	7/16"	0.12	1
110000	Welding assembly kit complete with pressure regulators	M12X1	1.40	1
110005	Welding assembly kit without pressure regulators	-	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
B5910003.KIT	Spare parts kit 3 oxygen cylinder gaskets	-	-	1
S6208011.KIT	Handle support kit	-	0.08	1

ACCESSORIES INCLUDED

EN ISO 1326

2850°C

TURBO SET 30

GAS CONSUMPTION
(normal regulation and 50 L tip)
44 g/h

ENDURANCE OF THE O_2 CYLINDER 1.00 h

ENDURANCE OF THE GAS CYLINDER 7.00 h

210022

201500

TURBO SET 30: HIGH PERFORMANCE, SAFE ,ECONOMIC
Autogenous brazing unit with non-rechargeable 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 regulator 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.

.

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

SPARE PARTS FOR TURBO SET 30

CODE	Description	Connection	Weight (kg)	No.Pcs.
210022	Pressure regulator micro O_2 without gauges	M12X1	0.18	1
201500	Gas tap	7/16"	0.12	1
110008	Welding assembly kit complete with pressure regulators	M12X1	0.70	1
110009	Welding assembly kit without pressure regulators	-	0.40	1
110602	Lance and tip	M10X1	0.07	1
B5910003.KIT	Spare parts kit 3 oxygen cylinder gaskets	-	-	1

ACCESSORIES INCLUDED

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
197190	Nozzles cleaner set	0.10	1
S6208011.KIT	Handle support kit for Turbo set 90-110-200	0.08	1

480300 483580

483200 483150

DISPOSABLE CYLINDERS AND CARTRIDGES

TURBO SET 200 and 110 are fuelled by a 110 bar oxygen cylinder and a TURBO GAS PRO CGA600 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
483580	GAS 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

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.
Available in the 400 g aerosol version with acc-u-sol valve in displays of 12 pieces or in closed boxes of 10 pieces.

VALVOLA
ACC-U-SOL

CODE	Description		Weight (Kg)	No.Pcs.
405000.EX	DISPLAY 12 PCS. 400g WITH ACC-U-SOL VALVE	0.46	2X12	2X12
405000	BOX 10 PCS. 400g	0.46	10	

The date printed on the cans is the date of production.

A normal functionality of the product is guaranteed for up to 5 years from the date of production only if stored properly: after this period the product could lose its initial characteristics.

YouTube VIDEO

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	L= (mm)		Specifications	Resistance	Tool heat	No.pcs for pack
101500	IRON WELDING	300	●	BRASS ALLOY WITH DE-OXIDANT internal Ø 2mm*	HIGH	720°C	10
101510	BRAZE-WELDING	300	●	COPPER ALLOY 93% - PHOSPHOROUS 7% Ø 2mm	HIGH	660°C	10
101550	UNIVERSAL	300	●	SILVER ALLOY 45% WITH DE-OXIDANT internal Ø 1.5mm*	HIGH	640°C	5
101595	BRAZING	250	●	ALUMINIUM ALLOY 86% WITH DE-OXIDANT Ø 2mm	LOW	540°C	7
101590	HYDRAULIC REPAIRS	225	●	TIN ALLOY 50% WITH DE-OXIDANT 7X5mm	LOW	240°C	2

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

CODE	USE	L= (mm)		Specifications	Resistance	Tool heat	Pack weight (kg)
101500.500	IRON WELDING	300	●	BRASS ALLOY WITH DE-OXIDANT internal Ø 2mm*	HIGH	720°C	500
101510.500	BRAZE-WELDING	300	●	COPPER ALLOY 93% - PHOSPHOROUS 7% Ø 2mm	HIGH	660°C	500
101550.100	UNIVERSAL	300	●	SILVER ALLOY 45% WITH DE-OXIDANT internal Ø 1.5mm*	HIGH	640°C	100
101595.500	BRAZING	250	●	ALUMINIUM ALLOY 86% WITH DE-OXIDANT Ø 2mm	LOW	540°C	500
101590.500	HYDRAULIC REPAIRS	225	●	TIN ALLOY 50% WITH DE-OXIDANT 7X5mm	LOW	240°C	500

***Diameter referred to the core excluding the deoxididant**

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

THE 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.

EN 521

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 Ø 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

EN 521

OXYFLEX

A small kit with high heating power.

Oxyflex is a movable, manual welding kit with high 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

OXYFLEX IRON

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.

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

Ø 25 mm

Oxyflex can be combined with a range of accessories which are not included.

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

MANUAL TORCHES

High performance and versatile offering pratical work solutions.

MULTI-PURPOSE TORCH CGA600

490280

Its spiral flame is designed to wrap the circumference of the hose and reach a temperature of **1372°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 **TURBO GAS PRO 400 g CGA600** 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

498257

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 TURBO GAS PRO 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

MICROTORCH CGA600

490280

MICROTORCH 7 /16

498257

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 **TURBO GAS PRO** 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 **1300°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 **1372°C** with TURBO GAS PRO CGA600 cylinder and **1322°C** with Maxy Gas.

EQUIPPED WITH:
- 1 multi-purpose torch with CGA600 connection
- 2 TURBO GAS PRO 400 g CGA600 cylinders

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

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, TURBO GAS PRO 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 TURBO GAS PRO CGA600 cylinder and the MAXY GAS cartridge to be interchangeable.

483002 483200 483580 483100 483150

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
483002	BUTAN/PROPAN 98/2 CARTRIDGE 190 g	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	400 g CGA600 GAS CYLINDER	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

CYLINDERS AND CARTRIDGES
SUMMARY

NEW STANDARD EN ISO 11118:2015

	CODE	DESCRIPTION	WEIGHT (Kg)	NO.PCS.	PACK. DIM (cm)	PACK. WEIGHT (Kg)
CYLINDERS		**BEVERAGE**				
	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 950cc 110bar M11x1 with foot stand	1.30	12	32 x 24 x 34	15.70
	485601	FOOD GRADE CO_2 CYLINDER E290 2.2L M11x1 with foot stand	4.00	4	24 x 24 x 40	16.20
	484460	FOOD GRADE N_2 CYLINDER E941 2.2L 110bar M11x1 with foot stand	3.00	4	24 x 24 x 40	12.10
		**AQUARIUM**				
	485300	CO_2 CYLINDER 390 g M10X1RH 950 cc	1.60	12	31 x 23 x 34	19.20
	485600	CO_2 CYLINDER 2.2L 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 2.2L 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 2.2L with foot stand	4.00	4	24 x 24 x 40	16.20
	488300	AZOIDRO CYLINDER 1L 110bar M10X1 RH	1.30	12	32 x 24 x 34	15.80
	488400	AZOIDRO CYLINDER 2.2L 110bar M10x1 RH with foot stand	4.00	4	24 x 24 x 40	16.20
		WELDING				
	485300	CO_2 CYLINDER 390g M10x1RH 950cc	1.60	12	32 x 26 x 34	19.40
	485600	CO_2 CYLINDER 2.2L 1200g M10x1RH with foot stand	4.00	4	24 x 24 x 40	16.60
	486301	ARGON CYLINDER 110bar M10x1RH 950cc	1.35	12	32 x 26 x 34	16.40
	486400	ARGON CYLINDER 110bar M10x1RH 2.2L with foot stand	3.20	4	24 x 24 x 40	13.00
	486351	MIX CYLINDER 110bar M10x1RH 950cc	1.35	12	32 x 26 x 34	16.40
	486451	MIX CYLINDER 110bar M10x1RH 2.2L with foot stand	3.20	4	24 x 24 x 40	13.30
	480300	O_2 CYLINDER 110bar M12x1RH 950ml	1.30	12	34 x 24 x 32	15.80
	480302	O_2 CYLINDER 110bar M10x1RH 950ml with foot stand	1.40	12	34 x 24 x 33	17.00
	480400	O_2 CYLINDER 110bar M12x1RH 2.2L with foot stand	3.10	4	24 x 24 x 40	13.00
	483580	TURBO GAS PRO CGA600 400g	0.90	12	46 x 15.5 x 28	11.00

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 330g 7/16" valve	0.46	24	42 x 29 x 28	12.20
	483100	PROPAN/BUTAN CARTRIDGE 210g 7/16" valve	0.31	24	28.5 x 22 x 35.5	7.60
	483002	BUTAN/PROPAN 98/2 190g	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, asphalting 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.

EN ISO 9012

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

Ergonomic, sturdy, and easy to handle, available in two models: standard and with an economizer for professional use. They use different extensions and burners for a variety of uses.
Extension connection: G 3/8 RH. Connection to the hose: G 3/8 LH.

EXTENSION PIPES

A series of extensions, each of which can be screwed onto burners of various sizes. They all have G 3/8 RH connections and range from 100 to 600 mm. The range is completed by the dual-burner extension, consisting of a 600 mm extension and a terminal for two burners.

BURNERS

OT TURBO FE ASP

HANDGRIPS

IMQ APPROVED

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

EXTENSION PIPES

IMQ APPROVED

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

BURNERS

IMQ APPROVED

OT BURNERS, in brass with dart flame, ideal for soft brazing jobs.

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, made of iron with rear air mixing with high calorific power. Ideal for waterproofing, tempering and defrosting work.

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

ASP BURNER, with high heating power side suction. Ideal for asphalting, waterproofing, and thawing works.

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

EN ISO 9012

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	G3/8 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	G3/8 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	G3/8 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	G3/8 LH - G3/8 LH	0.70	10	41 x 36 x 24	7.50

WELDER KIT TURBO

Composed of: Handgrip or handgrip with gas saving lever – one or more Turbo burners with diameters in three different sizes.

CODE	Description	ø Burner (mm)	Weight (kg)	No.Pcs.
601500	WELDER KIT 3 burners	21 – 26 – 28	0.80	1
601550	WELDER KIT 3 burners + handgrip	21 – 26 – 28	1.10	1
601550.ECO	WELDER KIT 3 burners + handgrip with gas saving lever	21 – 26 – 28	1.15	1
601551	WELDER KIT Ø 21 burner with handgrip	21	0.52	1
601551.ECO	WELDER KIT Ø 21 burner with handgrip with gas saving lever	21	0.60	1
601552	WELDER KIT Ø 26 burner with handgrip	26	0.56	1
601552.ECO	WELDER KIT Ø 26 burner with handgrip with gas saving lever	26	0.65	1
601553	WELDER KIT Ø 28 burner with handgrip	28	0.64	1
601553.ECO	WELDER KIT Ø 28 burner with handgrip with gas saving lever	28	0.69	1

WELDER 100

Composed of: Handgrip - 100mm extension pipe - ASP 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

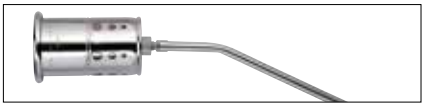
WELDER 200

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 + ASP 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 + ASP 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

Composed of: Handgrip - lance with copper mallet - support hook.

CODE	Description	Connection	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
600000	Copper	G3/8 LH	0.70	10	34.5 x 14.5 x 23	7.10
610000	Copper complet with 1.5 m 4x11 fitted hose	G3/8 LH - KEY 25	0.97	10	41 x 36 x 24	9.90
610020	Copper complet with 1.5 m 4x11 fitted hose	G3/8 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	G3/8 LH - G3/8 LH	1.15	10	41 x 36 x 24	11.70

LANCE WITH COPPER MALLET

Ideal for welding fine metals such as sheet metal. Replacement 250g copper mallet available.

CODE	Description	Weight (kg)	No.Pcs.
584890	LANCE WITH COPPER MALLET	0.33	1
570750	COPPER MALLET 250 g	0.22	1

ACCESSORIES

The range is completed by a series of useful accessories to facilitate soft welding work, to facilitate the transport of cylinders and to lighten the work of vertical waterproofing.

ACCESSORIES FOR OT 22 BURNER

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

FITTED HOSES

Oxyturbo supplies a series of approved pipes with connections and of different lengths and diameters to satisfy every need of the end user.

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

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.
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

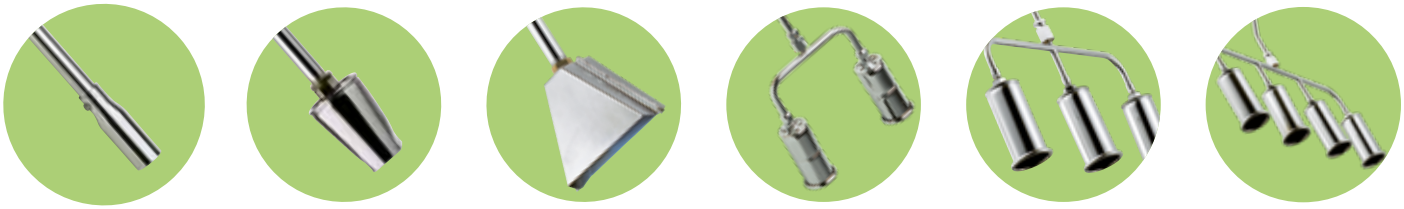
GARDEN
RANGE

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

In the rechargeable 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.



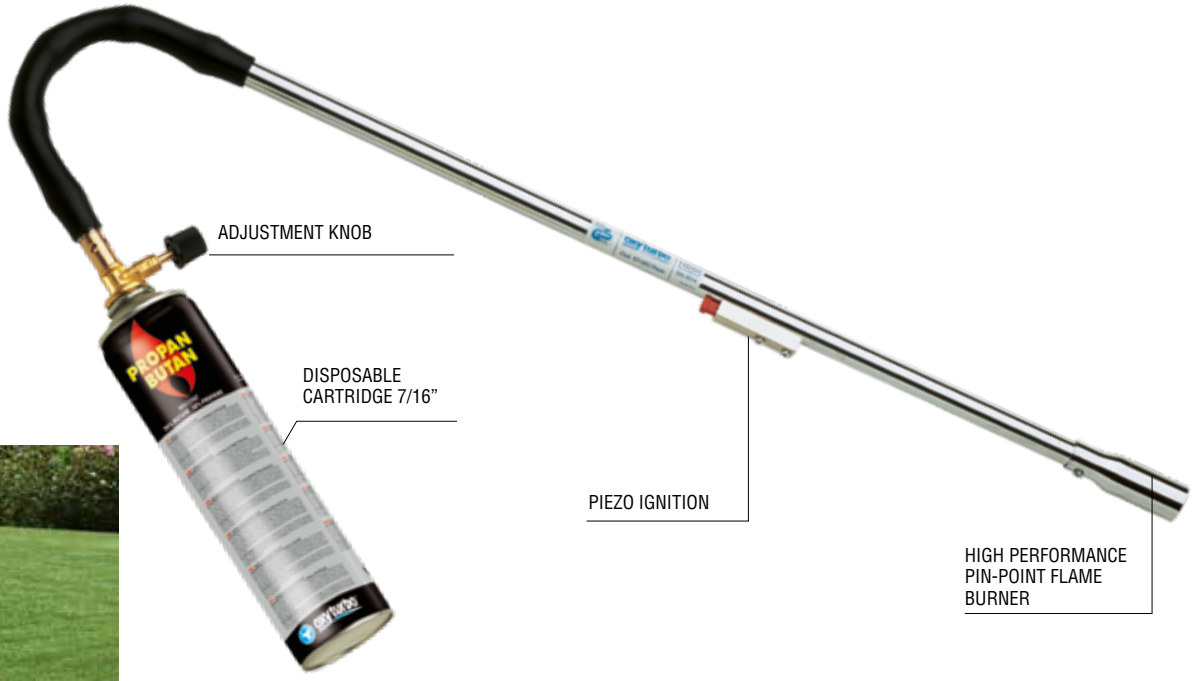
EN ISO 521

CA06.00253

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.

EASYFLAMME
COD. 571760

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
571850	Pin point flame burner without gas cartridge on flat carton	0.95	15	80.5 x 38 x 23	14.50
571855	Pin point flame burner with 1 gas cartridge on flat carton	1.40	10	80.5 x 38 x 23	14.20

EASYFLAMME

Fuelled by cartridge with valve 7/16" PROPAN/BUTAN 210 g code 483100

CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
571760	EASYFLAMME with 1 gas cartridge 210g	0.70	15	62 x 25 x 42.5	10.70

EN ISO 9012

CA06.00286

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.

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**

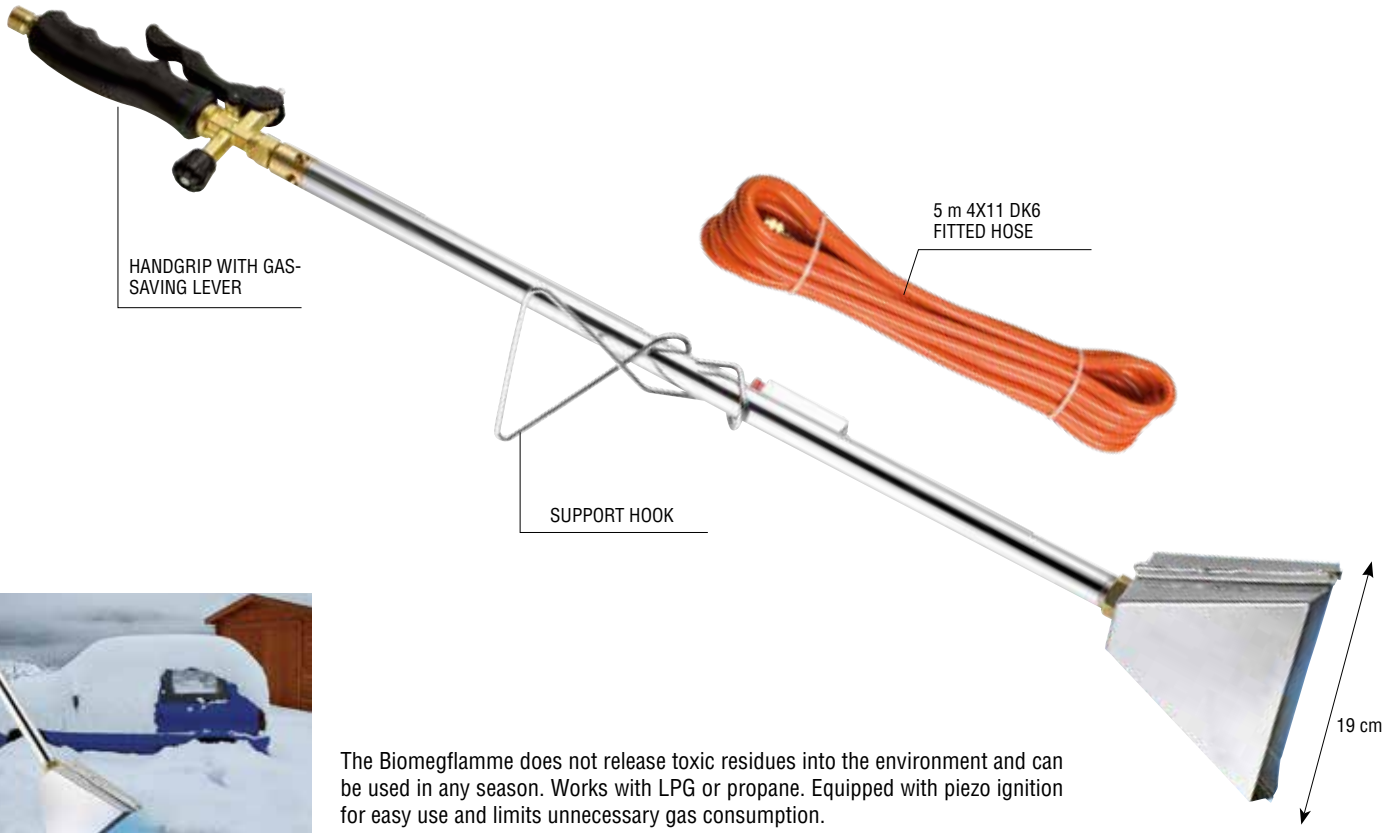
CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
581950	SUPERBIOFLAMME ECO	1.30	6	73.5 X 30.5 X 23	8.00
581970	SUPERBIOFLAMME 5000 ECO	1.85	6	73.5 X 30.5 X 23	11.30
581980	SUPERBIOFLAMME 5000 TK ECO KEY 25	4,65	1	79 x 30.5 x 16.5	4.65
581981	SUPERBIOFLAMME 5000 TK ECO KEY 30	4.75	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

EN ISO 9012

CA06.00253

BIOMEGAFLAMME

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



The Biomegflamme 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

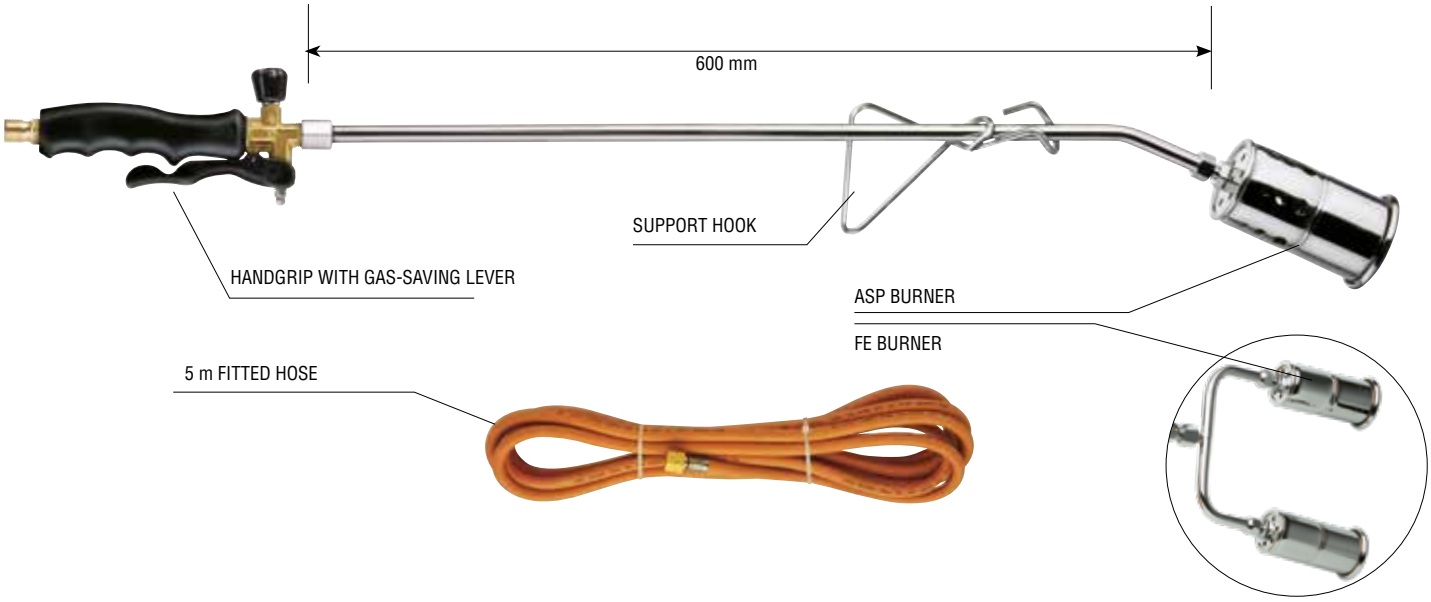
EN ISO 9012

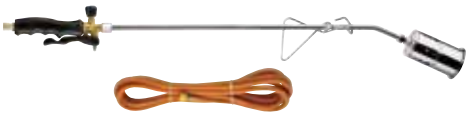
CA06.00253

LASERBRENNER

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

HIGH CALORIFIC POWER





LASERBRENNER 60

Provided with: Gas-saving lever handgrip - 600 mm extension pipe - ASP ø 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 ø 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

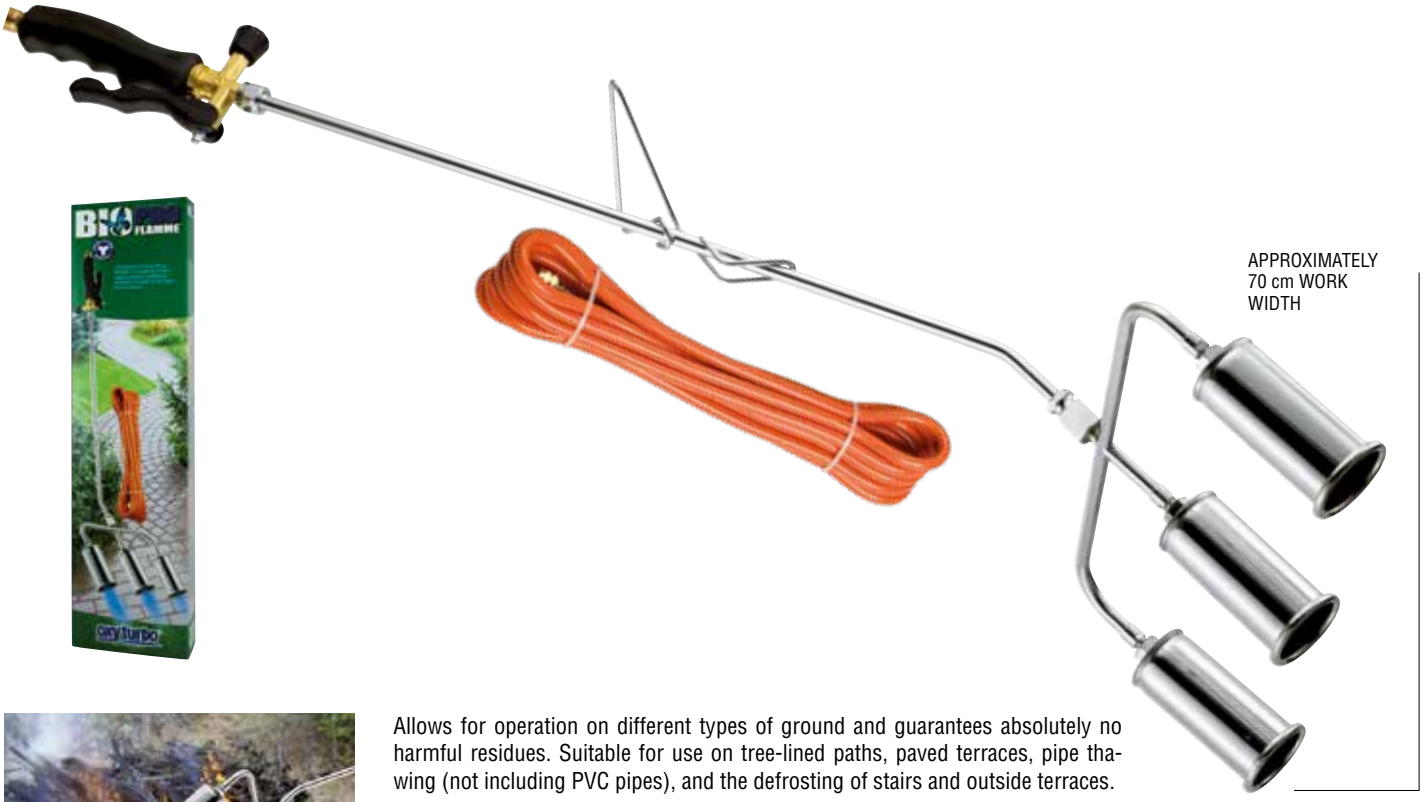
CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
689700	LASERBRENNER 60 TK KEY 25	4.60	1	79 x 30.5 x 16.5	4.60
689701	LASERBRENNER 60 TK KEY 30	4.70	1	79 x 30.5 x 16.5	4.70
689702	LASERBRENNER 60 TK KEY 27	4.70	1	79 x 30.5 x 16.5	4.70
689703	LASERBRENNER 60 TK G5/8	4.70	1	79 x 30.5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

EN ISO 9012

CA06.00253

BIOPROFLAMME

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



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 upon 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

EN ISO 9012

CA06.00286

BIOSUPER PROFLAMME

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

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

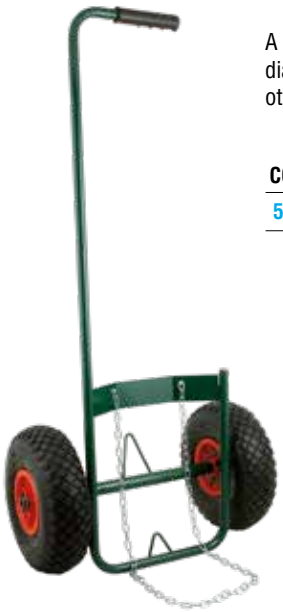
Biosuperproflamme can upon request be supplied with cylinder holder trolley and equipped with 2.5 bar 6/8 kg pressure regulator with all country fittings.

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

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 completed by a series of spare parts and accessories for a better service to the end user.

G 3/8 dx

G 3/8 sx

HANDGRIPS

Ergonomic, sturdy, easy to handle, available in two models: normal and with economizer for professional use. They use different extensions and burners for various uses. Connection to the extensions G 3/8 RH. Connection to the tube G 3/8 LH.

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.
Contents:
60/40 butane propane mixture (for 210 g)
70/30 butane propane mixture (for 330 g).

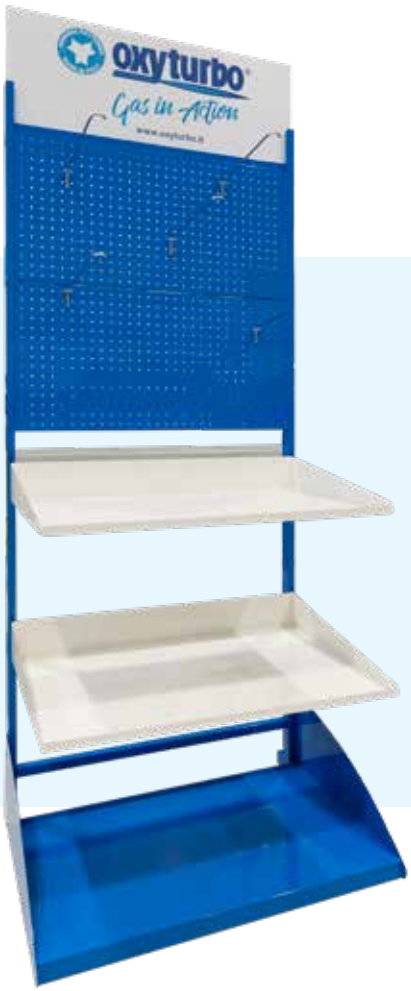
CODE	Description	Weight (kg)	No.Pcs.	Pack.Dim. (cm)	Pack.Weight (kg)
483100	PROPAN/BUTAN cartridge 210 g	0.31	24	42 x 29 x 20	7.70
483150	PROPAN/BUTAN cartridge 330 g	0.45	24	42 x 29 x 28	12.20

METAL
DISPLAY STAND

To display products in an orderly and visible way

Oxyturbo offers a practical metal floor display stand to display your products in an orderly and visible way. It is very versatile as it can be used for a wide range of products, from small accessories, to regulators, to larger sets.

It features **3 shelves and 5 sturdy** hooks that can support a good amount of weight without warping. Easy assembly and disassembly make it ideal for displaying products in a functional and aesthetically pleasing way in shops, trade shows, showrooms, and other retail environments.
Its elegant structure makes it easily adaptable to a variety of setting.



CODE	Description	Dimensions (cm)	No.Pcs.
E7300301	METAL DISPLAY STAND	60 X 80 X 215 h	1

PALL-BOX

Upon request we can supply our products in pall-box version.

A convenient and orderly packaging to exhibit our products.
The number of pieces in each pall-box changes based on the kind of product.

NOTE

studio baronio

oxyturbo®

Gas in Action

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