



oxyturbo®

Gas in Action

CATALOGUE

BEVERAGE

AQUARIUM

FOOD PACKAGING

CO₂ INSECT TRAPS

FISH FARMING

HYDROPONIC CULTIVATION



SPECIAL APPLICATIONS



Oxyturbo Headquarters
Photographer: Stefano Marchiante
(Images courtesy of Schüco Italia)

GROWTH, INNOVATION AND A 360° VISION: THE OXYTURBO **SPECIAL APPLICATIONS** CATALOGUE

2025 proved to be a year of growth for Oxyturbo, with strong growth in both the Italian and international markets, now extending to Europe, Africa, Australia, South America, and New Zealand.

The company thanks its customers who continue to believe in the quality of its products and the value of Made in Italy, supported by ongoing investments in research and development.

With the **Special Applications Catalogue**, soon to be expanded with new products, Oxyturbo strengthens its position in the Beverage and Aquarium sectors and opens up to new on-demand applications for other areas, thanks to its design and production flexibility.

The new Industrial Line catalogue has also been published, significantly expanding the range. To support this evolution, the company has strengthened its technical and sales team, laying a solid foundation for future growth.

Wherever there's pressure to manage, Oxyturbo is with you!

Mario Magazza and the entire Oxyturbo team



A NEW HEADQUARTERS AND AN ADVANCED PRODUCTION UNIT FOR THE DEVELOPMENT OF PRODUCTS AND SERVICES, MADE IN ITALY AND SUSTAINABLE.

Our catalogue expresses the fundamental requests that our customers consider now more necessary than ever to protect, incentivize and promote each of their specific activities.

MORE EFFICIENT AND GREENER

With the launch of production lines at the new headquarters, we have favored cutting-edge facilities, both in terms of efficiency and environmental impact. This green choice is enhanced by the use of solar energy. The organization of the supply chains and the potential of the work islands, characterized by extensive use of digital controls and collaborative robotics, allow us to achieve optimal results in terms of versatility, precision, and quality of every single piece.

IDEAL SPACES TO ENHANCE SKILLS

Technologies today determine the efficiency and results of an industry, but it's the people who manage them who still know how to make the difference. In the new headquarters, staff work in the best conditions to leverage their professionalism within a truly Industry 4.0 factory architecture. This confirms Oxyturbo's commitment to people with an ESG perspective, as evidenced by the content of our Sustainability Report. This renews and consolidates the vision of our founder Adenio Magazza: technological humanism.



NEW IMPULSE TO RESEARCH & DEVELOPMENT

In the guiding principles that led to the creation of our new headquarters, we wanted to dedicate a prominent space to our Research and Development team. Their work is driven by a major driving force: improving both production dynamics and the products themselves. Beyond the actual design, which translates into original products, we are constantly committed to finding, selecting, and applying internationally recognized solutions (materials, devices, construction elements) capable of expanding our catalogue range and driving innovation in the many sectors we serve.

CUSTOM DOWN TO THE DETAILS: NOW YOU CAN!

The product you have in mind is already... an Oxyturbo product! It's in our experience and in our computers, which have recently officially incorporated Artificial Intelligence. Now more than ever, we are able to intervene on the design and manufacturing components to optimally customize our offering. Our catalogue is therefore also a source of reflection and planning. Another insight and value that has always been in the mind and actions of our founder: being a partner to our customers, not just our suppliers.

LOGISTICS AND SHIPPING: A PERFECT DIALOGUE

Producing excellent products, doing so even more efficiently and meticulously, would be pointless without an equally high-quality service. This is another strategic "added value" of our new headquarters: making logistics and shipping even more efficient. After all, offering a catalogue like this, extremely rich and detailed, is a precise commitment to each of our market partners: we know how to produce, but we also know how to do much more well!



PRODUCT INDEX

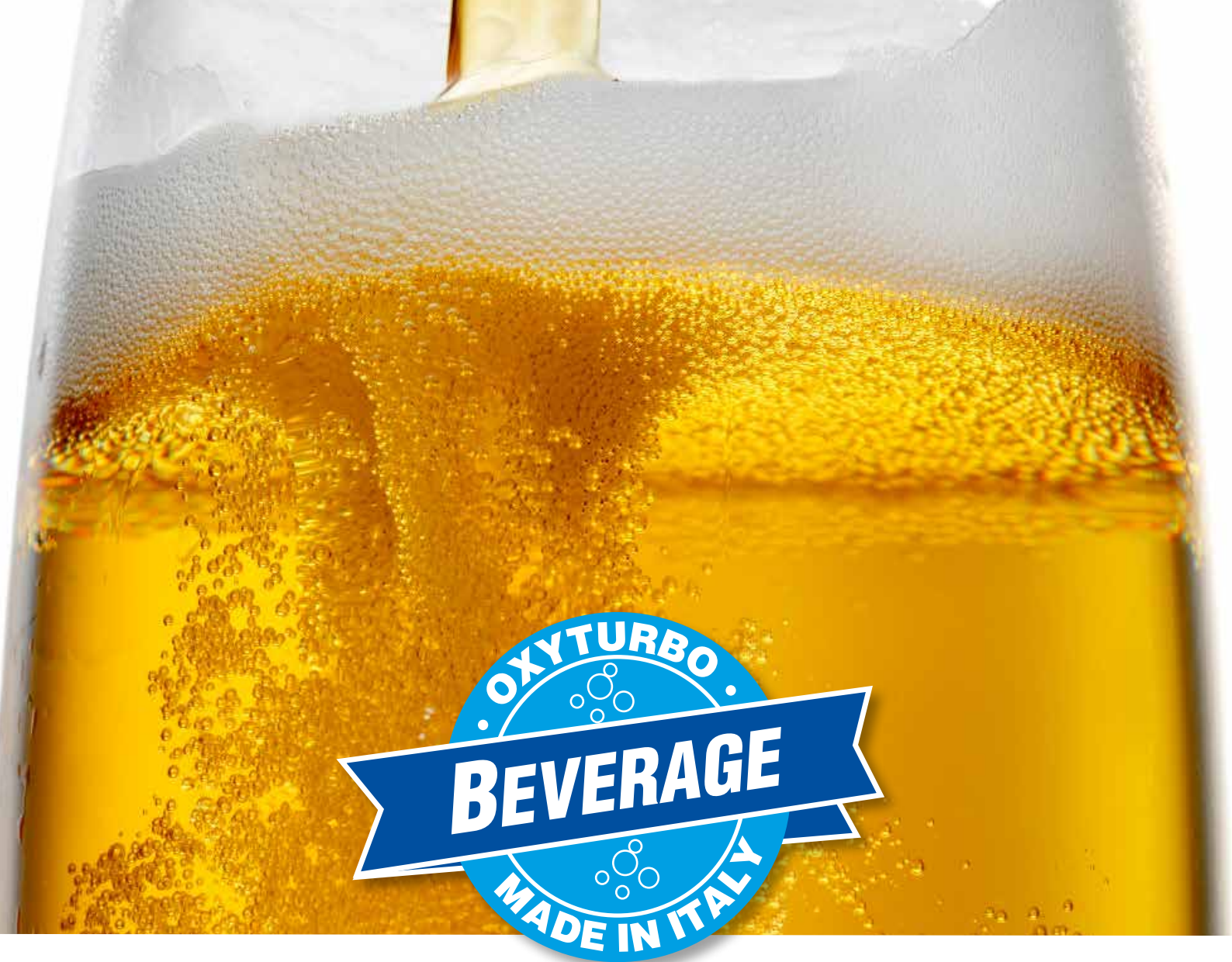


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BEVERAGE

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

Ideal for use with CO₂ – Nitrogen and Carbo Nitrogen



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

Ideal for use with CO₂ – Nitrogen and Carbo Nitrogen



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.





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.**



MANUAL CONNECTION
(ONLY FOR CO₂)

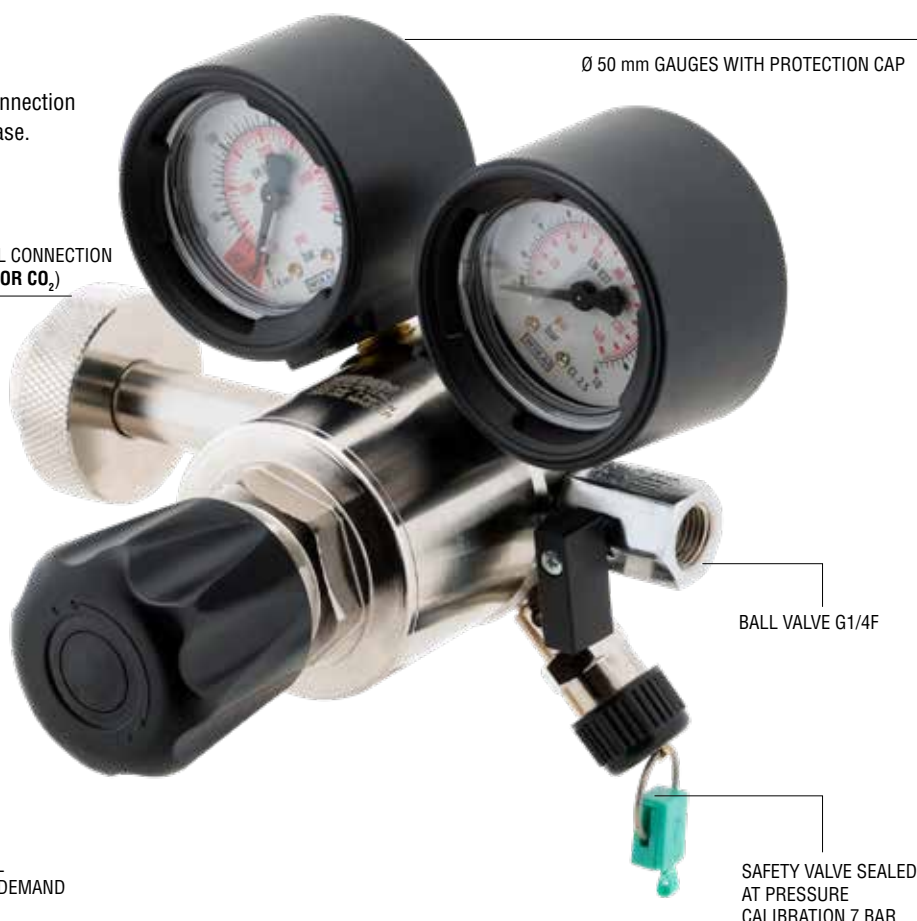
SUPPLIED WITH 2 OUTLET CONNECTIONS 1/4 SAE - C1198402
AND HOSE NIPPLE Ø 7-11 - C2018402



M6 DOUBLE HOLES
ALLOW WALL MOUNTING



PLACE FOR REGULATOR WALL
MOUNTING CODE 194821 ON DEMAND



Ø 50 mm GAUGES WITH PROTECTION CAP

BALL VALVE G1/4F

SAFETY VALVE SEALED
AT PRESSURE
CALIBRATION 7 BAR

MASTER CO₂

CALIBRATION 7 BAR



CO₂ 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 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 (m³/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 (m³/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 (m³/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 (☒): ☐ CO₂ ☐ 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



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.

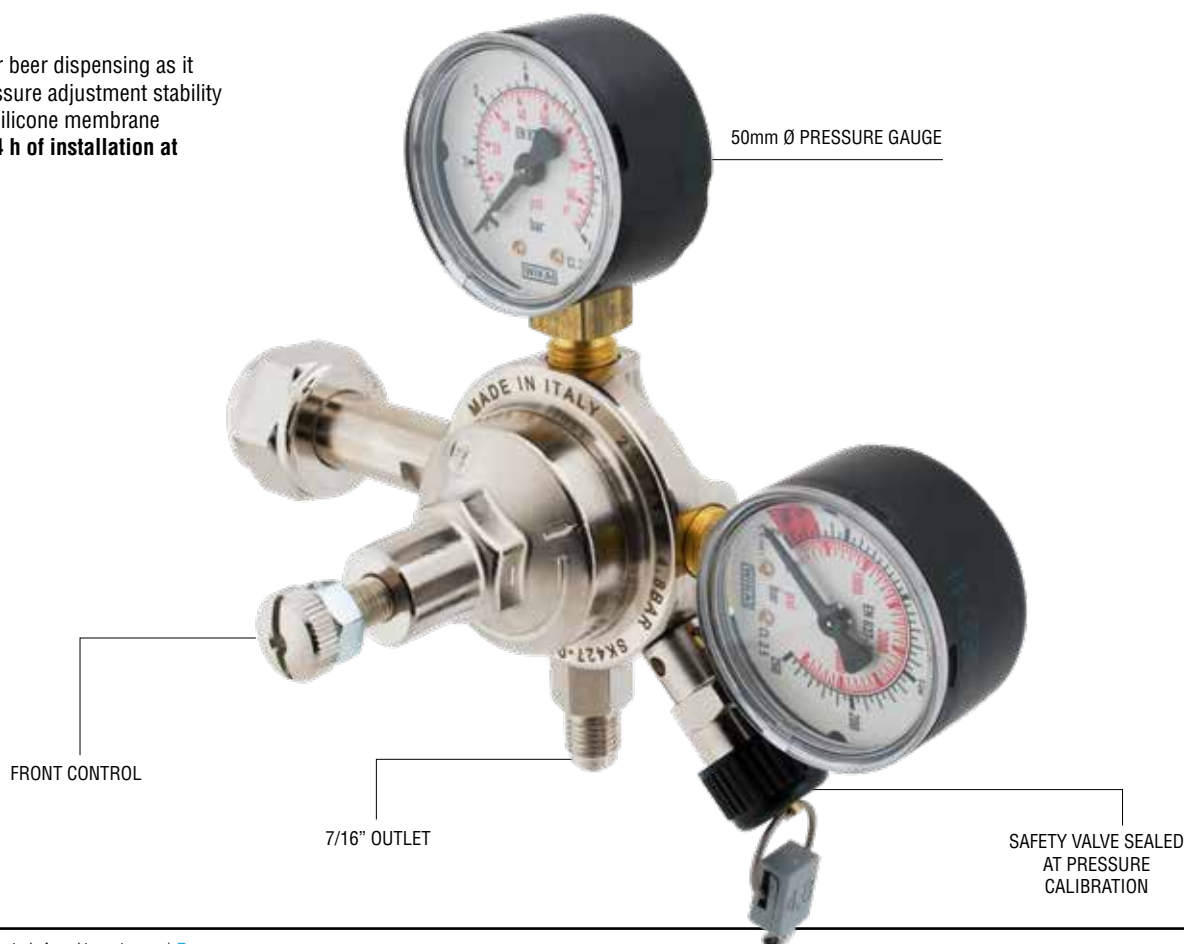
USE

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**).

3 // 4.8 // 7 bar



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



MACRO CO₂

CALIBRATION **3/4.8 BAR**

In the CO₂ 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 CO₂ 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**



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

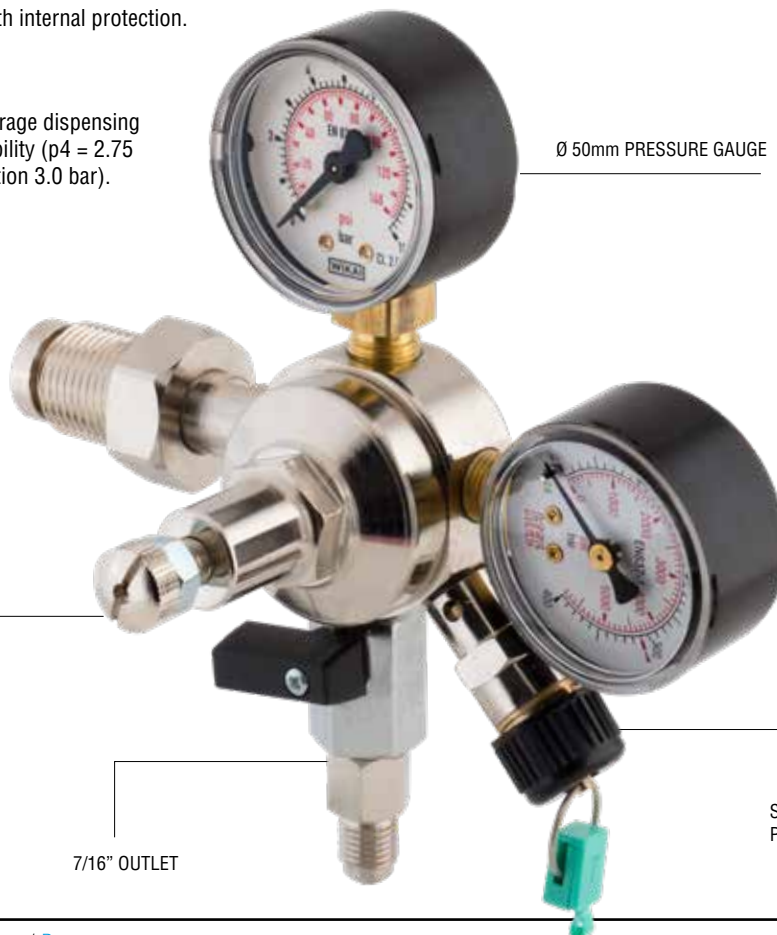
Particularly suitable for beer and beverage dispensing thanks to its pressure adjustment stability ($p_4 = 2.75$ bar after 24 h of installation at calibration 3.0 bar).

FRONT CONTROL

Ø 50mm PRESSURE GAUGE

7/16" OUTLET

SAFETY VALVE SEALED AT
PRESSURE CALIBRATION



MAJORPLUS CO₂

CALIBRATION **3 / 4.8 / 7 BAR**

TO ASSEMBLE YOUR
MAJORPLUS SEE PAGE 16

3 pressure calibrations are available in the CO₂ version: 3 - 4.8 and 7 bar.
Operating pressure can be adjusted via the safety valve if the 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 ₃ H ₈	W21.8 x 1/14" Lh		1
SPAIN, PORTUGAL				
Argon	Ar	W21.7 x 1/14"	MIE AP7	1
Carbon dioxide	CO ₂	W21.7 x 1/14"	MIE AP7	1
Nitrogen	N ₂	W21.7 x 1/14"	MIE AP7	1
U.S.A.				
Argon	Ar	CGA 580	CGA V-1	3
Carbon dioxide	CO ₂	CGA 320	CGA V-1	4
Nitrogen	N ₂	CGA 580	CGA V-1	3
Our connections are compatible with all the standards in force.				

CHOOSE YOUR PRESSURE REGULATOR

MACRO AND MAJORPLUS

See page 16-17

Model of pressure regulator (☑):

1

☐

Macro → 1B

☐

MajorPlus → Kind of body

☐

2B
Lateral connection

☐

3B
Intermediate

☐

4B
Rear connection

2

Kind of regulation (☑):

☐

Plastic kob

☐

Regulation screw

3

Kind of gas (☑):
(Only for **1B** and **2B**)

☐

CO₂

☐

ARGON

☐

NITROGEN

4

No. sampling stations (☑):
(Only for **1B** and **2B**)

☐

1

☐

2

☐

3

☐

4

☐

5

5

Inlet orientation (☑):
(Not for **3B**)

☐

right

☐

left

6

Inlet No. (☑):
(Not for **3B**)

☐

1i CYLINDER OUTLET
DIMENSION
AND COUNTRY:

☐

2i CYLINDER OUTLET
DIMENSION
AND COUNTRY:

☐

3i CYLINDER OUTLET
DIMENSION
AND COUNTRY:

☐

4i CYLINDER OUTLET
DIMENSION
AND COUNTRY:

See page 14

☐

STANDARD

☐

MANUAL

7

High pressure gauge (☑):
(Not for **3B**)

☐

1G 0-250 bar

☐

2G 0-400 bar

(ONLY FOR NITROGEN)

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. (☑):

☐

10

☐

20

☐

30

☐

40

☐

50

☐

60

☐

70

☐

80

☐

90

☐

100

☐

110

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

INLET

ASSEMBLE YOUR

MANUAL FIXING
DISPOSABLE ON REQUEST



1i

2i

3i

4i

1B

KIND OF BODY

2B

3B

OUTLET

1o



Y connection

2o



Ball valve G1/4

3o



Duck bill

OUTLET

4o



G 1/4

5o



G 1/2

6o



G 3/4

7o



G 5/8

MACRO OR MAJORPLUS

REGULATION WITH
PLASTIC KNOB ON REQUEST



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



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 CO₂

CALIBRATION **3 / 4.8 / 5.5 BAR**



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

- 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 (☒): ☐ CO₂ ☐ NITROGEN

2 Inlet No. (☒): ☐ 1i CYLINDER OUTLET DIMENSION AND COUNTRY ☐ 2i CYLINDER OUTLET DIMENSION AND COUNTRY ☐ 3i CYLINDER OUTLET DIMENSION AND COUNTRY ☐ 4i CYLINDER OUTLET DIMENSION AND COUNTRY

See page 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. (☒): ☐ 10 ☐ 20 ☐ 30 ☐ 40 ☐ 50

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)



MINOR

Compact, professional pressure regulators for disposable CO₂ 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 bar** (CO₂) and **110 bar** (Ar/N₂), and an operating pressure of 5.5 bar.

Using the appropriate adapters, the Minor can also be applied to rechargeable cylinders.



MINOR CO₂ 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 CO₂ ACME FITTING

CALIBRATION 5.5 BAR



371302.00

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 CO₂ 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



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.



MINIMAL

Compact pressure regulator without gauges for disposable and rechargeable CO₂ 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

USE

Designed for a maximum pressure of **60 bar** (CO₂) and **110 bar** (Ar/N₂), 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.

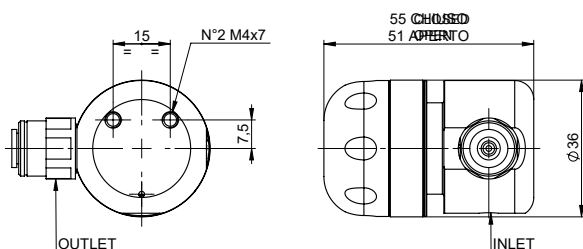
5.5 bar



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



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 CO₂ 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 adaptors 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 CO₂ 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



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.

CO₂ HIGH PRESSURE

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
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

CO₂ LOW PRESSURE

Q5060106I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-6	4,8
Q5060107I	MACRO-MAJORPLUS	LOW	50	G1/4-R	0-6	3
Q5100102I	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
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NITROGEN LOW PRESSURE

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

*R= radial connection

PRESSURE GAUGE GASKETS

CODE	Description	No.Pcs.
D0943001I	Pressure gauge gasket G1/8 100 pcs.	1
D0943002I	Pressure gauge gasket G1/4 100 pcs.	1

OUTLET CONNECTIONS

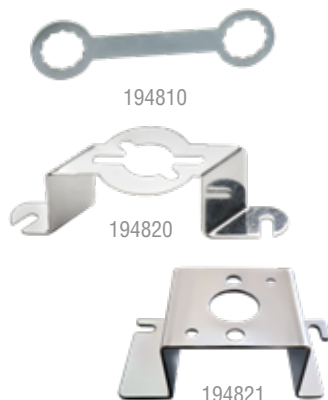
Brass outlet connections are all equipped inside with a duck bill valve to prevent the return of gas or undesired liquid flows.



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		
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



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



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



ACCESSORIES FOR WALL MOUNTING OF HIGH PRESSURE CONNECTIONS



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



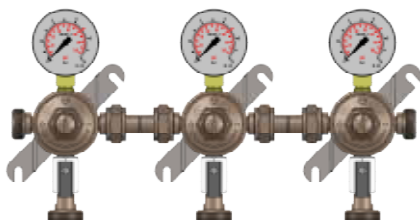
Useful instruments for checking CO₂ and nitrogen pressure in the line.

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

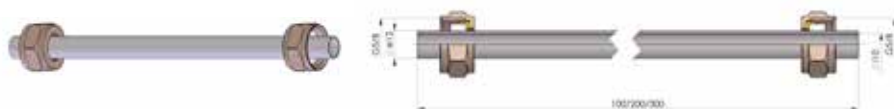


C1999463.00



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 CO₂ 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

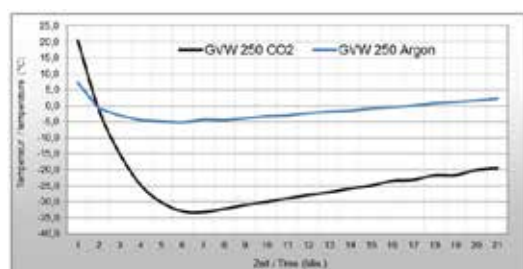


Input connection W21.8x1/14F - Output connection W21.8x1/14M.

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 Nm ³ /h*	2.30	1

*The diagram shows the temperature curve for gas delivered from a CO₂ or Argon cylinder with constant and continuous flow regulation at 10Nm³/h and 6 bar. (Room temperature 20°C).

FOOD GRADE GAS CYLINDERS



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 CO₂ dispensing systems are for both freshwater and marine aquariums. The carbon dioxide promotes the chlorophyllin photosynthesis process enabling healthy, consistent growth of plants, together with stabilising PH levels.

Pressure 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



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 CO₂ 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 CO₂ 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



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 CO₂ 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



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



MINORMIX2

**Dual-sampling station pressure regulators
that allow constant and precise control of the CO₂ 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 CO₂ 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 CO₂ 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



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 CO₂ at the drop of the cylinder pressure while maintaining CO₂ dispersion stable. All of this combined with the safety valve ensures maximum reliability and makes it particularly suitable for both freshwater and marine aquariums.



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

ACCESSORIES

SOLENOID VALVES

For precise control of CO₂ 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 CO₂ 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 CO₂ 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

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.



G2509903



C1098402



G2509014

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	M10x1Rhe adapter W21,8 Rhe for Major2	0.066	1

AQUARIUM GAUGES



CO₂ HIGH PRESSURE

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
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

CO₂ LOW PRESSURE

CODE	Description	Pressure	Ø mm	Connection*	Range	Red mark
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



oxyturbo®

Gas in Action

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