



2022

BEVERAGE

PRESSURE REDUCERS
ACCESSORIES
AND
SPARE PARTS



oxyturbo®

Gas in Action

40
1982/2022

WE HAVE BEEN PUTTING OUR VALUES INTO EVERY PRODUCT FOR 40 YEARS...

SECTORAL SPECIALIZATION AS A DISTINCTIVE CHOICE

Since its origins, Oxyturbo has decided to deal in a specialized way with technological solutions in the field of pressure reducers and for the use of industrial gases in cylinders. A distinctive choice, which has allowed us to gain unparalleled experience on the international market. Oxyturbo is recognized as the company that offers the widest range of products, with solutions targeted to the needs of individual fields of use and users.

QUALITY TRACED AND CERTIFIED FOR THE SAFETY OF EACH CUSTOMER

Markets are often dominated by uncertainty about the real quality of the offer and exasperated competitiveness is transformed for the customer from an advantage into a risk. In this situation Oxyturbo immediately decided to favor certain and certified quality. It is no coincidence that the ISO 9001 certification was acquired 25 years ago. A certainty flanked by a brand that emphasizes the authenticity of what is "signed by Oxyturbo" and by a traceability system that assigns a specific "manufacturing memory" to each product.

A GREAT EXPERIENCE AT THE SERVICE OF TECHNOLOGICAL INNOVATION

During 40 years of company history, Oxyturbo has been the architect of significant technological innovations. It has made important steps forward in the sector in which it operates, both in terms of functional efficiency of the proposals, and in terms of safety, reliability, durability and also environmental sustainability. Particular attention is also paid to ensure that innovations are never at the expense of practicality of use.



COLLABORATIVE SKILLS TO BE A PARTNER AS WELL AS A SUPPLIER

Among the growth factors that have promoted Oxyturbo's business over the years, a decisive component has been the ability to be a proactive and available interlocutor beyond the supply of products. A competent and available partner, capable of listening to the customer's needs, interpreting them and therefore giving answers that participate in the success of development projects. A versatility that arises from being a company still led with passion by the entrepreneurial family that was its founder.

INTEGRATED LOGISTICS TO ENSURE COMPLIANCE WITH DELIVERIES

Oxyturbo is able to guarantee a wide and continuous availability of its products, in their original packaging, to give timely responses to increasingly dynamic markets in terms of orders and supply needs. The value of this organizational capacity of Oxyturbo logistics has become even more evident in contemporary markets, dominated by increasing difficulties in finding raw materials. The 4.0 structure of Oxyturbo logistics is able to keep the expected dynamics active, both in terms of quantity, types and delivery times.

THE WIDEST AND MOST UPDATED RANGE ON THE MARKET

The synergy between the Research & Development department and the various production units within the company, structures a range of offers which place Oxyturbo as the main reference in its sector at an international level. The ability to translate projects into solutions, as well as the possibility of maintaining high production flows under a quality regime, comes from a technological equipment that configures Oxyturbo as a 4.0 company. Oxyturbo has a "smart manufacturing" vocation, regarding both the robotic work islands and the digital controls of each single piece and in the various reference parameters: materials, assemblies, finishes.





DIRECT LINE WITH OXYTURBO

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

GENERAL CONDITIONS OF SALE



TRANSPORT

Though shipped carriage paid, goods are always at the customer's own risk. Any claims for damages due either to transport or non-compliance with the order must be made in writing and within 5 days of receipt.



DELIVERIES

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



WARRANTY

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



RETURNS AND REPAIRS

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



RETURNS DUE TO ORDERING ERRORS

In the event that the customer wishes to return goods that were ordered erroneously, they must apply to our sales office within 5 days of receipt of the goods.



EACH OF OUR PRODUCTS IS SUPPLIED WITH EAN CODE

to facilitate their retail.



PRODUCT INDEX

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





BEVERAGE OXYTURBO

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

Ideal for use with CO₂ - Nitrogen and Carbo Nitrogen



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

Ideal for use with CO₂ - Nitrogen and Carbo Nitrogen



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

FEATURES:

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

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



SK AND C.S.I. CERTIFICATIONS

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



PRODUCTION CYCLE

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

INDIVIDUAL TESTING

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

REQUIRED MARKING

Standard EN ISO 2503 provides the following

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

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

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



IRREMOVABLE PRESSURE ADJUSTMENT DEVICE

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

INTEGRATED CAPSULE

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

AESTHETIC TREATMENT

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

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



EN ISO 2503



SK approved
in accordance with
DIN 6650

MASTER

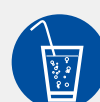
First stage pressure reducer to supply
many sampling stations. Ideal for beverage equipment
and for tapping beer, soft drinks and water.

WARRANTY
3
YEARS

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 bottle connection
- ▶ Supplied with ball-valve with 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
reducer with gas connections
not in the catalogue

USE

The Master pressure reducer 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 reducers at the same time without freezing.**



SUPPLIED WITH 2 OUTLET CONNECTIONS 1/4 SAE - CH98402
AND HOSE NIPPLE Ø 7-11 - C2018402



M6 DOUBLE HOLES
ALLOW WALL MOUNTING



PLACE FOR REDUCER WALL MOUNTING
CODE 194821 ON DEMAND



Ø 50mm GAUGES WITH PROTECTION CAP

BALL VALVE G1/4 F

SAFETY VALVE SEALED
AT PRESSURE
CALIBRATION 7 BAR

MASTER CO₂

CALIBRATION 7 BAR



CO₂ first stage pressure reducer 60 bar made of brass and nickel-plated.

Available with left or right bottle connection.

The great volume capacity of the chamber enables the supply up to 15 secondary pressure reducers 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 reducer 230 bar made of brass and nickel-plated.

Available with left or right bottle connection.

The great volume capacity of the chamber enables the supply up to 15 secondary pressure reducers 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 first stage pressure reducer 230 bar made of brass and nickel-plated.

Available with left or right bottle connection.

The great volume capacity of the chamber enables the supply up to 15 secondary pressure reducers 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 REDUCER 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:

☐ STANDARD ☐ MANUAL

See page 18

MACRO

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

FEATURES

- ▶ The body and cover are machined directly from brass bar and are nickel-plated, with the safety valve being sealed to the pressure calibration with an anti-tampering system.
- ▶ The connection is on the left or on the right side and has a front pressure regulation system.
- ▶ Provided with 7/16" outlet with safety valve sealed at pressure calibration.
- ▶ The high- pressure capsule is made with pin, shutter and a spring in 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 screw and unscrewing.
- ▶ Provided with a sintered bronze dual-protection filter: one on the cylinder connection injector (which can be inspected for cleaning) and the second inside the high-pressure capsule.
- ▶ Different outlet fittings can be supplied separately upon request (see page 27) together with a place for reducer wall mounting (see page 28).
- ▶ 50 mm diameter pressure gauges.
- ▶ Individual shockproof packaging with internal protection.

**SK APPROVED
IN ACCORDANCE WITH
DIN 6650**

USE

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





In the CO₂ version, calibration at 3 and 4.8 bar provides for Macro pressure reducers with 1 to 5 sampling stations. The reducer can be fixed to the wall with the aid of one or more stainless steel plates, sold separately upon request (see page 28).

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



CALIBRATION 7 BAR



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



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

TO ASSEMBLE YOUR MACRO
SEE PAGE 17

MAJORPLUS

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

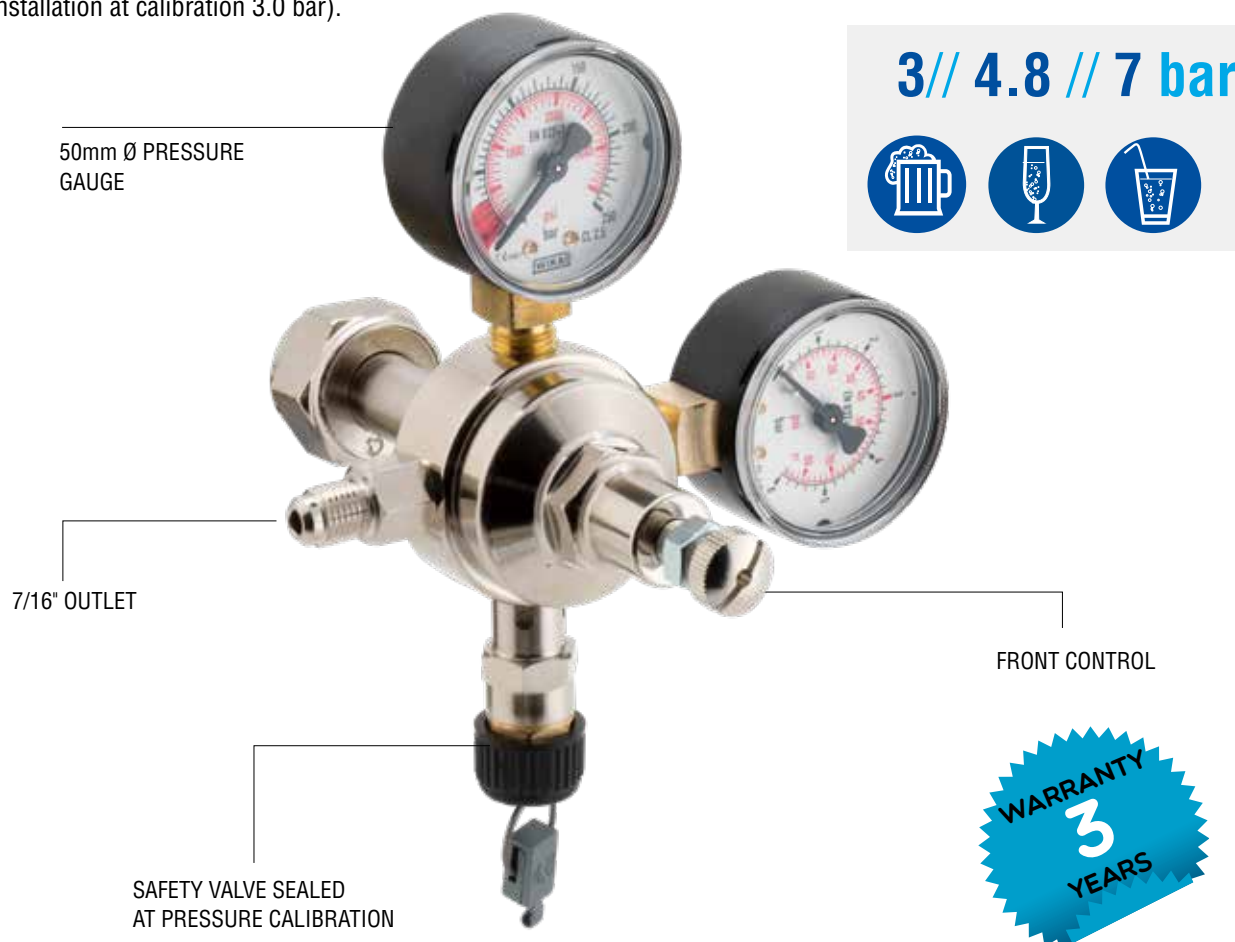
FEATURES

- ▶ The body and cover are machined directly from brass bar and are nickel-plated.
- ▶ The safety valve is sealed to the pressure calibration with an anti-tampering system.
- ▶ Available in the left side connection version or with the 1 station version which also includes a rear connection.
- ▶ Front adjustment system.
- ▶ The high-pressure capsule is entirely made of brass with a tapered PTFE tablet.
- ▶ Pressure vent created by means of a safety valve ring.
- ▶ Provided with a sintered bronze dual-protection filter: one on the cylinder connection injector (which can be inspected for cleaning) and the second inside the high-pressure capsule.
- ▶ Different outlet fittings can be supplied separately upon request (see page 27) together with a place for reducer wall mounting (see page 28).
- ▶ 50mm diameter pressure gauges.
- ▶ Laser markings with technical characteristics as per standard EN ISO 2503.
- ▶ Individual shockproof packaging with internal protection.

**SK APPROVED
IN ACCORDANCE WITH
DIN 6650**

USE

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



MAJORPLUS CO₂

CALIBRATION 3/4.8/7 BAR

TO ASSEMBLE YOUR
MAJORPLUS SEE PAGE 17

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



MAJORPLUS NITROGEN

CALIBRATION 4.8 BAR



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

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 reducer feeds a derivation of a dispensing system and is only supplied with a low pressure gauge.

ALWAYS INCLUDED



It is always supplied with a place for reducer wall mounting

CYLINDER CONNECTIONS

GAS	CHIMICAL SYMBOL	OUTLET DIMENSIONS	STANDARD	REDUCER INLET NUMBER
ITALY				
Argon	Ar	W24.5 x 1/14"	8 - UNI 11144	3
Carbon dioxide	CO ₂	W21.7 x 1/14"	2 - UNI 11144	1
Nitrogen	N ₂	W 21.7 x 1/14"	5 - UNI 11144	2
GERMANY, AUSTRIA, SWITZERLAND, CZECH REPUBLIC, SLOVAKIA, HUNGARY, POLAND				
Argon	Ar	W21.8 x 1/14"	DIN 477 No.6	1
Carbon dioxide*	CO ₂	W21.8 x 1/14"	DIN 477 No.6	1
Nitrogen	N ₂	W24.32 x 1/4"	DIN 477 No.10	1
* Czech Rep. and Slovakia: CO ₂ G 3/4"				
UK				
Argon	Ar	G 5/8	BS 341 No.3	3
Carbon dioxide	CO ₂	0.860" x 14 TPI	BS 341 No.8	1
Nitrogen	N ₂	G 5/8	BS 341 No.3	3
FRANCE				
Argon	Ar	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 REDUCER MACRO AND MAJORPLUS

See page 18-19

Model of pressure reducer (☑):

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 (☑): ☐ CO₂ ☐ 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 18 ☐ STANDARD ☐ MANUAL

7

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

8

Low pressure gauge (☑):

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

9

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

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



ASSEMBLE YOUR

INLET



1i



2i



3i



4i

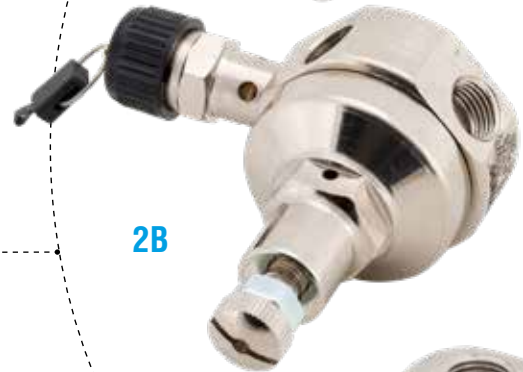
MANUAL FIXING
DISPOSABLE ON REQUEST



KIND OF BODY



1B



2B



3B

OUTLET

10



Y connection

20



Ball valve G1/4

30



Duck bill

OUTLET

40



G 1/4

50



G 1/2

60



G 3/4

70



G 5/8

MACRO OR MAJORPLUS

REGULATION WITH
PLASTIC KNOB ON REQUEST



HIGH PRESSURE GAUGE



1G



2G

LOW PRESSURE GAUGE



5G



4G



3G

80

90

100

110



7/16" (1/4 SAE)



Hose connection
ø 7.2/11 mm



Quick metric
connection



Quick
inches connection

MAJOR

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

FEATURES

- ▶ Body and cover are machined directly from brass bar and are nickel-plated.
- ▶ The cylinder connection is in the rear and the pressure adjustment system is in the front.
- ▶ Supplied with 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

USE

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

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

3 // 4.8 // 5.5 bar



40mm Ø PRESSURE GAUGE

LASER MARKINGS

QUICK COUPLING

SAFETY VALVE

FRONT ADJUSTMENT KNOB



MAJOR CO₂

CALIBRATION **3//4.8 //5.5 BAR**



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

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

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

MAJOR NITROGEN

CALIBRATION **5.5 BAR**



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

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

TO ASSEMBLE YOUR MAJOR
SEE PAGE 22



CHOOSE YOUR PRESSURE REDUCER MAJOR

1 Kind of gas (☒): ☐ CO₂ ☐ NITROGEN

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

See page 16

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)

MINOR

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

FEATURES

- ▶ Body and cover are machined directly from brass bar and are nickel-plated.
- ▶ Available in a vertical version pressure adjusting knob.
- ▶ 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.

5.5 bar



USE

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



40mm Ø PRESSURE GAUGE

VERTICAL PRESSURE
ADJUSTMENT

ACME CONNECTION

CONNECTION M11X1

VERSION WITH
ACME CONNECTION
AVAILABLE
WITHOUT THE NEED
TO USE ADAPTERS

MINOR CO₂

CALIBRATION 5.5 BAR



371200



381309.00

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

The low-pressure gauge is used to display the set carbonation level, while the high-pressure gauge indicates the quantity of gas inside the cylinder.

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
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 M11x1 with ACME cylinders through the adaptor (Cod. 490880) and Minor W21,8 through adaptor (cod. 490885).

MINOR CO₂ ACME FITTING

CALIBRATION 5.5 BAR



371302.00



371202

These pressure reducers for ACME cylinders are suitable for manual carbonation devices. The peculiarity is the ACME fitting that is obtained directly from the manufactory of the reducer's body so that is possible to avoid adding the connection.

The reduced dimensions make the reducer suitable for use in small spaces.

It also has a quick connection for ø6mm 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 reducer 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.

ADAPTORS



490780



490781



490880



490783



490885



490886



490787

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

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

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

CODE	Description	Weight (kg)	No. Pcs.
490780	Adapter 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 reducer first and then install the complete reducer on the cylinder.

SPECIAL APPLICATIONS

MAJORMIX

MINORMIX

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



Majormix



Minormix

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



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		
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



C1999471



C1999472



C1999470



C1999954

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 MACRO and MAJORPLUS wall mounting	0.05	1
C1999471	CO2 manifold 2 way splitter 7/16"Rhe and duck bill valve. Inlet 7/16"Rhi	0.22	1
C1999472	CO2 manifold 4 way splitter 7/16"Rhe and duck bill valve. Inlet 7/16"Rhi	0.42	1
C1999470	CO2 manifold 6 way splitter 7/16"Rhe and duck bill valve. Inlet 7/16"Rhi	0.61	1
C1999954	CO2 manifold 4 way splitter with hose connection and duck bill valve	0.87	1

SAFETY VALVES



R7539977.00



R7539978.00

A series of presetted valves with G1/4 connection both as regulators spare part and for systems. Available for 3 – 4 – 4.8 – 7 bar presetted pressions.

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



Certificate
n° SK 427 - 005



MANUAL UNSCREWING
VERSION

Double textile braid hoses with Food Grade thermoplastic polyester interior. Coating in extruded polyurethane with GCS (Glued Cover System) anti-abrasion micro-perforated.

- > Internal diameter: 1/4" - 6.6mm;
- > External diameter: 12.8mm;
- > Maximum working pressure: 300bar;
- > Minimum bursting pressure: 1000bar;
- > Test pressure: 600bar.

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

CODE	Description	Weight (kg)	No.Pcs.
9F001000	High pressure food-grade piping for CO ₂ reducer L=100 cm (manual unscrewing)	0.82	1
9F001800	High pressure food-grade piping for CO ₂ reducer L=180 cm (manual unscrewing)	0.80	1
9F011000	High pressure food-grade piping for N ₂ reducer L=100 cm	0.52	1
9F011800	High pressure food-grade piping for N ₂ reducer L=180 cm	0.60	1

BREWTOOLS FOR TANKS AND KEGS



C1999478

Oxyturbo also offers a range of tools for tank and kegs like high quality spunding valves with 2.5 bar gauge which allow to maintain a set pressure in the vessel from 0 to 2.5 bar, or valves groups for kegs filling which also enable fermenters to both ferment under pressure and condition beer before transferring to a keg, or ball lock disconnects for gas and for liquids.

With the spunding valve, it is possible to get natural carbonation in the fermentation tank, by fermentation. Adjust the relief valve to the right pressure based on the desired degree of carbonation. It is a necessary tool, for example, during the beer transfer 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

NOT INCLUDED



C1999476.00



479900



411100



411101

WALL MOUNTING ACCESSORIES FOR HIGH PRESSURE CONNECTIONS

Base made of inox 90 x 90 mm. These panels have to be wall mounted and are designed for the high pressure connections. Available with two or three connections.



C1999490.00



C1999492.00

CODE	Description	Connection	Weight (kg)	No.Pcs.
C1999490.00	Panel for two HP CO2 connections	W21.8 x 1/14"	0.67	1
C1999493.00	Panel for two HP N2 connections	W24.32 x 1/14"	0.66	1
C1999491.00	Panel for three HP CO2 connections	W21.8 x 1/14"	0.64	1
C1999492.00	Panel for three HP N2 connections	W24.32 x 1/14"	0.69	1

WALL MOUNTING CONTROL KITS

To check pressure of CO₂ and N₂ in the line.



490100

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

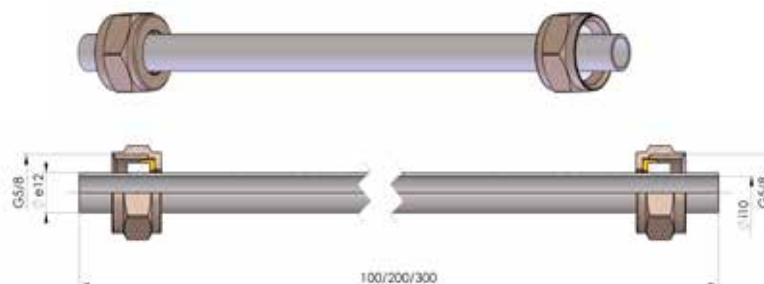
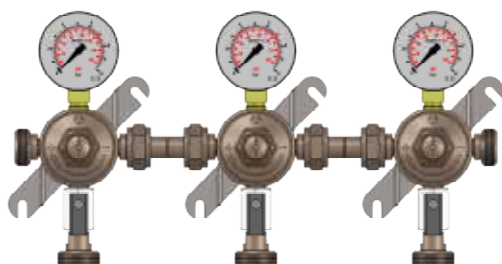
EXTENSION TUBES FOR INTERMEDIATE REGULATORS CONNECTION



C1999463.00

Extension tubes of different lengths for low and high pressure connection. They allow to create a set of intermediate 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 CONNECTION FOR CYLINDERS



To connect two regulators with a unique CO2 cylinder and save space on your line

CODE	Description	Connection	Weight (kg)	No.Pcs.
C1999441.00	Double connection for CO2	W21.8x1/14"	0.45	1

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 with foot stand	1.72	12	32 x 24 x 34	20.70
485500	FOOD-GRADE CO ₂ CYLINDER E290 850g M11X1 with foot stand	2.45	6	16 X 25 X 45	14.80
484360	FOOD GRADE N ₂ CYLINDER E941 110BAR M11X1 with foot stand 950 cc	1.30	12	32 x 24 x 34	15.70
485601	FOOD-GRADE CO ₂ CYLINDER E290 M11X1 2.2 L with foot stand	4.00	4	24 x 24 x 40	16.20
484460	FOOD GRADE N ₂ CYLINDER E941 110BAR M11X1 2,2 L	3.00	4	24 x 24 x 40	12.10

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

THERE IS AN ENTIRE COMPANY IN EVERY OXYTURBO PRODUCT

The three warehouses in Desenzano house 4 pressure reducer assembly lines and 2 welding product assembly lines within the 3000 square metres of operating area. It produces significant production capacity from each assembly line, with a very high annual potential. Capability that of course is further enhanced by the other products in the Oxyturbo and Welding Diffusion range, which are also tested, packaged and marketed from the headquarters in Desenzano.





oxyturbo®

Gas in Action

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