

MAXYUM

Professional pressure reducers for operating pressures up to 100 bar.

Gas flow
>200 m³/h

GAS USED:
OXYGEN
NITROGEN
ARGON

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

USE

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

HIGH PRESSURE AND POWERFUL DISTRIBUTION

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



WARRANTY
3
YEARS

MAXYUM REDUCER TECHNICAL FEATURES

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

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



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

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

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



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	296202.100	296209.100	296204.100	296202.100	296205.100

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



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	296203	296202	296209	296204	296202	296205

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



MAXYMUM 40 BAR

Low pressure gauge 0-100 bar red mark 40 bar

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

GAS	OUTLET	UNI	DIN	BS	NF	NEN	SS	MIE	CGA
NITROGEN	1/4 SAE + 5/16 SAE	294200.40	294209.40	294203.40	294202.40	2942049.40	294204.40	294202.40	294205.40
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	296202.40	296209.40	296204.40	296202.40	296205.40

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

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	296202.20	296209.20	296204.20	296202.20	296205.20

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

NEVOC SYSTEM

The pressure reducers for 300 bar cylinders with international valve outlet

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

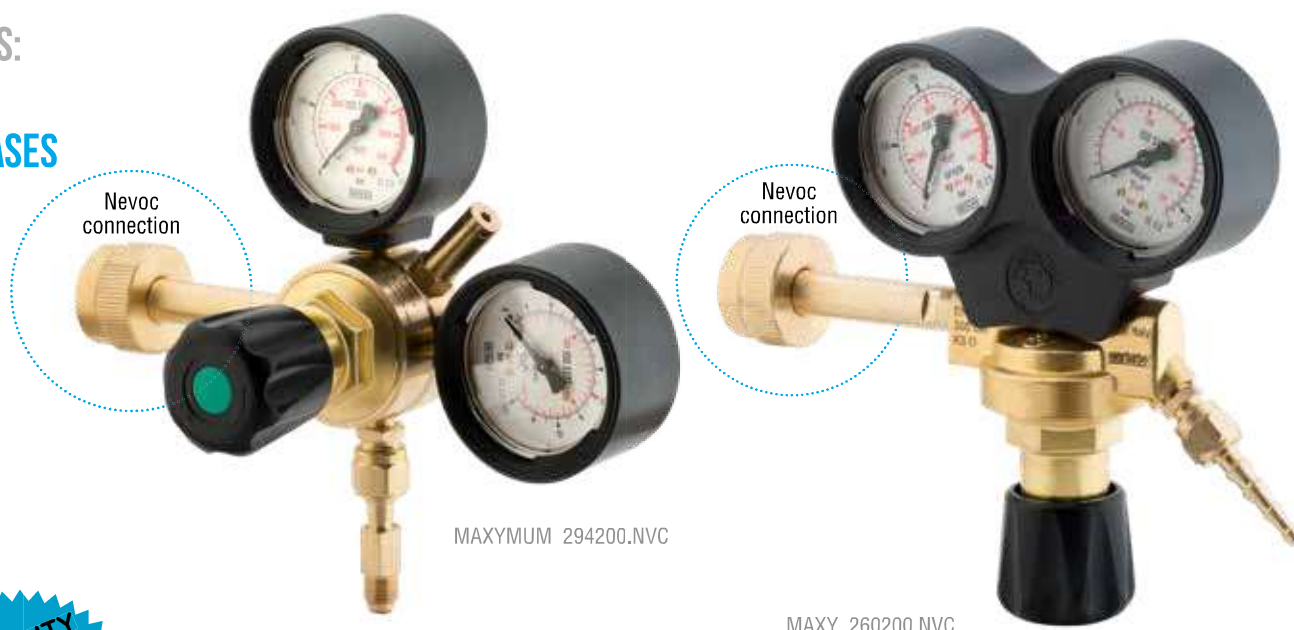
The trend towards increased cylinder filling pressures has led Oxyturbo to the adoption of the new NEVOC cylinder valve connection for industrial applications requiring 300bar pressure. **NEVOC** stands for **New European Valve Outlet Connections**. The NEVOC system was intended to be used to facilitate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

USE

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

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

USED GAS:
OXYGEN
INERT GASES



MAXIMUM 294200.NVC

MAXY 260200.NVC

WARRANTY
3
YEARS

MAXIMUM NEVOC - OUTLET 3/8

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

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

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

MAXY NEVOC - OUTLET 1/4

P1 Inlet pressure 300 bar

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

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