

HIGH PRESSURE GAS CYLINDERS



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BUSINESS OVERVIEW

ABOUT US

Our company can produce small and medium capacity seamless steel gas cylinders, etc with the annual manufacturing capacity of 300,000 pieces high pressure gas cylinders.

Our company has advanced manufacturing equipment, inspective examination and testing method, strong technical resources, and a qualified management system. All of its manufacturing and testing is carried out under the supervision of a third party. The scope of working pressure is between 15MPa (3bar) to 60MPa (600bar) and 1L to 80L for water capacity respectively of our products. On the meanwhile, we can design and manufacture the pressure vessels within the above scope according to customers' requirements.

We got the certificates of ISO9001 and CE in 2004. Our products are exported to Europe, the Americas, Asia, Africa and other countries all over the world while has sound reputation in home and abroad at the same time. Our company has its own import & export right and can supply different gases from famous gas companies cylinder accessories in addition to its own products. We will meet all the requirements of our customers from home and abroad with good and worm service. Welcome to our company.

Largest Supplier

We are Africa's largest supplier of high pressure gas cylinders, including Oxygen, Argon, Carbon Dioxide, Nitrogen and more.

On-Time Delivery

With our fleet of trucks and wide network of distributors, we can deliver to every region of Africa, on time.

Quality Assurance

Our products are of high quality manufactured to match international standards.



OUR PRODUCTS & SERVICES

WHAT WE DO?

We supply high pressure cylinders for Oxygen, Argon, Carbon Dioxide, Acetylene and Nitrogen gas etc. We also supply all medical gas accessories.



LOGISTICS

We have the logistics to deliver cylinders right to your site and also have warehouse that have the capability to supply any quantity client request on time



OUR PRODUCTS & SERVICES

CYLINDER SIZES AND SPECIFICATIONS



Stainless Steel Cylinders

CAPACITY: 47L
STANDARD: ISO9809-1
O.D.: 232mm
MATERIAL: 37 Mn
GAS CAPACITY : 7.05 CBM
HEIGHT: APPROX.1499MM
WEIGHT: APPROX.50 KGS
DESIGN WALL THICKNESS: 5.4MM
WORK PRESSURE : 150 BAR
TEST PRESSURE: 250 BAR
COLOR: BLACK BODY AND WHITE SHOULDER
VALVE : CUSTOMIZED

CAPACITY: 50L
STANDARD: ISO9809-1
O.D.: 232mm
MATERIAL: 37 Mn
GAS CAPACITY : 8 CBM
HEIGHT:APPROX. 1550MM
WEIGHT:APPROX. 52 KGS
DESIGN WALL THICKNESS: 5.4MM
WORK PRESSURE : 150 BAR
TEST PRESSURE: 250 BAR
COLOR: BLACK BODY AND WHITE SHOULDER
VALVE : CUSTOMIZED

232-50L-200BAR
Standard: ISO9809-1
Capacity: 50L
Gas capacity: 10CBM
O.D.: 232mm
Material: 34CrMo4
Height: Approx. 1566mm
Weight: Approx. 60KGS
Design wall thickness: 6.0mm
Work pressure: 200bar
Test pressure: 300bar
Valve: Customized
Color:Customized

CAPACITY: 7L
STANDARD: ISO9809-3
O.D.: 159mm
MATERIAL: 37 Mn
GAS CAPACITY :
HEIGHT: APPROX.610MM
WEIGHT: APPROX.11 KGS
DESIGN WALL THICKNESS: 4.5MM
WORK PRESSURE : 150 BAR
TEST PRESSURE: 250 BAR
COLOR:BLACK BODY AND WHITE SHOULDER
VALVE : CUSTOMIZED

CAPACITY: 5L
STANDARD: ISO9809-3
O.D.: 108mm
MATERIAL: 37 Mn
GAS CAPACITY :
HEIGHT: APPROX.770MM
WEIGHT: APPROX.8.5 KGS
DESIGN WALL THICKNESS: 4.0MM
WORK PRESSURE : 150 BAR
TEST PRESSURE: 250 BAR
COLOR:BLACK BODY AND WHITE SHOULDER
VALVE : CUSTOMIZED

CAPACITY: 10L
STANDARD:ISO9809-3
O.D.:159mm
MATERIAL:37 Mn
GAS CAPACITY :
HEIGHT:APPROX.810MM
WEIGHT:APPROX.14 KGS
DESIGN WALL THICKNESS:4.5MM
WORK PRESSURE : 150 BAR
TEST PRESSURE: 250 BAR
COLOR:BLACK BODY AND WHITE SHOULDER
VALVE :CUSTOMIZED



OUR PRODUCTS & SERVICES

■ CYLINDER SIZES AND SPECIFICATIONS



Aluminium alloy Cylinder

CAPACITY: 50L
 STANDARD: ISO7866
 O.D.: 232mm
 MATERIAL:
 GAS CAPACITY :
 HEIGHT:APPROX.1573MM
 WEIGHT:APPROX. 36.4 KGS
 DESIGN WALL THICKNESS:11.6MM
 WORK PRESSURE : 150 BAR
 TEST PRESSURE: 250 BAR
 COLOR:BLACK BODY AND WHITE SHOULDER
 VALVE : CUSTOMIZED

CAPACITY: 10L
 STANDARD: ISO7866
 O.D.: 159mm
 MATERIAL:
 GAS CAPACITY :
 HEIGHT:APPROX. 811MM
 WEIGHT:APPROX. 8.6KGS
 DESIGN WALL THICKNESS: 8.0MM
 WORK PRESSURE : 150 BAR
 TEST PRESSURE: 250 BAR
 COLOR:BLACK BODY AND WHITE SHOULDER
 VALVE : CUSTOMIZED

CAPACITY: 5L
 STANDARD:ISO7866
 O.D.: 140mm
 MATERIAL:
 GAS CAPACITY :
 HEIGHT:APPROX.572MM
 WEIGHT:APPROX.4.2KGS
 DESIGN WALL THICKNESS:6.8MM
 WORK PRESSURE : 150 BAR
 TEST PRESSURE: 250 BAR
 COLOR:BLACK BODY AND WHITE SHOULDER
 VALVE : CUSTOMIZED

CAPACITY: 8/7L
 STANDARD: ISO7866
 O.D.: 140mm
 MATERIAL:
 GAS CAPACITY :
 HEIGHT:APPROX.811MM
 WEIGHT:APPROX.6.1KGS
 DESIGN WALL THICKNESS: 6.8MM
 WORK PRESSURE : 150 BAR
 TEST PRESSURE: 250 BAR
 COLOR:BLACK BODY AND WHITE SHOULDER
 VALVE : CUSTOMIZED



PRODUCT ACCESSORIES

CYLINDER VALVES

SERVYMED supplies all models of valves to meet all the client's requirements. We also customize it as you wish.

A valve is a device that regulates, directs or controls the flow of a fluid (gases, liquids, fluidized solids or slurries) by opening, closing or partially obstructing various passageways. Valves are technically valves fittings but are usually discussed as separate category. In an open valve, fluid flows in a direction from higher pressure to lower pressure.

Valves are found in virtually every industrial process, including water and sewage processing, mining, power generation, processing of oil, gas and petroleum, food manufacturing, chemical and plastic manufacturing and many other fields.

Below are the most common valves used:

- 1- QF-6A
- 2- QF-42
- 3- QF-2
- 4- QF-7B
- 5- CGA870
- 6- CGA320
- 7- G-11NUB -370-1

QF-6A Valve

QF6A Industrial Oxygen Gas Cylinder Valve
Flapper-type oxygen valve

Product Details:

QF-6A Valve Specification	
Model Number	QF-6A
Suitable Medium	Oxygen, Clean Air and Nitrogen
Working Pressure	150BAR
Outlet Thread	G5/8
Connection Thread	GB8335 PZ27.8
Nominal Diameter	4mm
Surface	Brass/Chromed
Valve Material	Brass



QF-42 Valve

QF-42 valve for ISO standard 6m3 oxygen
nitrogen gas cylinder

Product Details:

QF-42 Valve Specification	
Model Number	QF-42
Suitable Medium	Oxygen, Clean Air and Nitrogen
Working Pressure	200BAR
Outlet Joint Thread	G5/8-14-RH-INT
Joint Thread to Cylinder	PZ27,8
Nominal Diameter	4mm
Surface	Brass/Chromed
Valve Material	Brass



PRODUCT ACCESSORIES

■ CYLINDER VALVES

QF-2 Valve

Product Details:

QF-2 Valve Specification	
Model Number	QF-2
Suitable Medium	Oxygen, Clean Air and Nitrogen
Working Pressure	150BAR
Outlet Joint Thread	Female 5/8"G
Inlet Thread	PZ 27.8
Nominal Diameter	4 MM
Surface	Brass/Chromed
Valve Material	Brass



QF-7B Valve

Oxygen, air and nitrogen cylinder valve, seamless steel cylinder valve in brass.

Product Details:

QF-7B Valve Specification	
Model Number	QF-7B
Suitable Medium	Oxygen, Clean Air and Nitrogen
Working Pressure	150BAR
Outlet Joint Thread	Female 5/8"G
Inlet Thread	GB8335
Nominal Diameter	3 MM
Surface	Brass/Chromed
Valve Material	Brass



CGA870 MEDICAL OXYGEN POST VALVE - .750" UNF

CGA870 valve is made from heavy-duty forged brass and is specifically designed for use with medical oxygen in aluminum cylinders. This medical oxygen post valve has a CGA870 valve outlet with a .750" UNF inlet and safety (burst disk).

Product Details:

CGA870 Valve Specification	
Model Number	CGA870
Outlet Joint Thread	CGA870
Inlet Thread	.750" UNF
Material	Heavy-duty Forged Brass
Valve Material	Brass



PRODUCT ACCESSORIES

■ CYLINDER VALVES

CGA320 VALVE- 1.125 UNF 3000 PSI

CGA320 CO2 valve – 3/4" NGT in 3000 and 3360 PSI pressure ratings.

This CO2 valve is made from heavy-duty forged brass and is specifically designed for use with steel carbon dioxide cylinders. Common applications include beverage dispensing and welding.

This CO2 valve has a CGA320 valve outlet with a 3/4" NGT inlet and safety (burst disk). The NGT inlet is a tapered thread for use with steel cylinders.

Product Details:

CGA320 Valve Specification	
Model Number	CGA320
Outlet Joint Thread	CGA320
Inlet Thread	3/4" NGT
Material	Heavy-duty Forged Brass
Valve Material	Brass



G-11NUB -370-1 Valve

Product Details:

G-11NUB-370-1 Valve Specification	
Model Number	G-11NUB-370-1
Gas Name	Oxygen (O2)
Working Pressure	200 Bar
Valve Test Pressure	240 Bar
Hydrostatic Test Pressure	450 Bar
Pressure of Residual Gas	Approx. 1.0 Bar



OXYGEN VALVE CGA540

Made from heavy-duty forged brass and is specifically designed for use with steel oxygen cylinders.

Common applications include welding and industrial use.

This oxygen valve has a CGA540 valve outlet.

Product Details:

CGA540 VALVE SPECIFICATION	
Model Number:	CGA540
Suitable Medium	Oxygen
Working Pressure	150 Bar
Outlet Thread	CGA540 outlet
Valve Material	Brass



PRODUCT ACCESSORIES

FLOWMETERS

H-350 Flowmeter


Pressure regulator with 0-400 bar pressure gauge and NFL oxygen cylinder fitting.
Oxygen ball flowmeter 0-15 L/min.
Polycarbonate humidifier, autoclavable at 121 °C.
Plastic connector DISS (9/16x18 UNF) to nipple for oxygen tubing.



Cylinder Fittings

Long cylinder fittings
Short cylinder fittings



NF E29 650	NFS	
	NFL	
BS - 341 nr.3	BSS	
	BSL	
CGA V - 1 nr. 540	CGS	
	CGL	

DIN 477 - 1 nr.9

ISO 5145 nr. 7

PIN INDEX EN - 850

DNS	
DNL	
UNS	
UNI 4406	
UNL	
ISS	
ISL	
	



PRODUCT ACCESSORIES

HUMIDIFIERS

Sterilizable bubble-type humidifiers

- Dry oxygen obtains humidity levels close to those of the environment.
- Low noise level: quiet clinical environment and improved patient comfort.
- Materials: polycarbonate jar, polyamide lid and brass (matt nickel-plated) inlet fitting . Diffuser tube in polyurethane, diffuser in polyethylene and sealing gasket in NBR. Latex-free.
- Sterilizable in autoclave at 121 °C.
- Inlet fitting: DISS O2 9/16" - 18h UNF.
- Hose nipple connector to the patient tubing.
- Capacity: 350 mL.
- Possibility of humidifier bottle with 4 PSI over-pressure valve, indicating to the user the existence of possible flow restrictions.
- Dimensions: Ø 75 mm (base) - Ø 85 mm (lid) x 170 mm.
- Weight: 160 g.



PRESSURE REGULATORS



PRODUCT ACCESSORIES

PRESSURE REGULATORS

P300

FIXED FLOW	TYPE			PRESSURE SUPPLY	CYLINDER FITTING	
	CLICK STYLE - ADJUSTABLE FLOW				SHORT FITTING Cylinder Ø<14 cm	LONG FITTING Cylinder Ø>14 cm
	0 Auxiliary outlet	1 Auxiliary outlet	2 Auxiliary outlets			
<p>FX4 4 L/min 55024-</p>	<p>F1 0-1 L/min (1) 55030-</p>	<p>F30P1DIS 0-30 L/min (4) + 1 DISS auxiliary pressure outlet 55040-</p>	<p>F30P2DIS 0-30 L/min (4) + 2 DISS auxiliary pressure outlets 55050-</p>	<p>P40DIS Outlet pressure 400 kPa with DISS pressure outlet 55010-</p>	<p>NFS NF E29 650 NFL</p> <p>-11 -12</p>	
<p>FX5 5 L/min 55025-</p>	<p>F5 0-5 L/min (2) 55031-</p>	<p>F30P1DIN 0-30 L/min (4) + 1 DIN auxiliary pressure outlet 55041-</p>	<p>F30P2DIN 0-30 L/min (4) + 2 DIN auxiliary pressure outlets 55051-</p>	<p>P40DIN Outlet pressure 400 kPa with DIN pressure outlet 55011-</p>	<p>BSS BS-341 nr.3 BSL</p> <p>-21 -22</p> <p>CGS CGA V-1 nr.540 CGL</p> <p>-31 -32</p>	
<p>FX6 6 L/min 55026-</p>	<p>F15 0-15 L/min (3) 55032-</p>	<p>F30P1REC 0-30 L/min (4) + 1 RECTUS auxiliary pressure outlet 55043-</p>	<p>F30P2REC 0-30 L/min (4) + 2 RECTUS auxiliary pressure outlets 55053-</p>	<p>P40REC Outlet pressure 400 kPa with RECTUS pressure outlet 55013-</p>	<p>DNS DIN 477-1 nr.9 DNL</p> <p>-41 -42</p> <p>UNS UNI 4406 UNL</p> <p>-51 -52</p>	
	<p>F30 0-30 L/min (4) 55033-</p>	<p>F30P1NF 0-30 L/min (4) + 1 NF auxiliary pressure outlet 55042-</p>	<p>F30P2NF 0-30 L/min (4) + 2 NF auxiliary pressure outlets 55052-</p>	<p>P40NF Outlet pressure 400 kPa with NF pressure outlet 55011-</p>	<p>ISS ISO 5145 nr.7 ISL</p> <p>-61 -62</p> <p>PIN PIN INDEX EN-850</p> <p>-50 </p>	

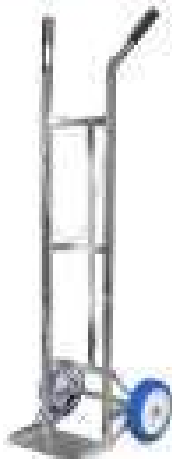
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 (2) 0 0.1 0.2 0.3 0.4 0.6 0.8 1 1.5 2 2.5 3 4 5 (4) 0 0.5 1 2 3 4 5 6 8 10 15 20 25 30



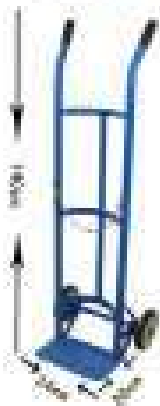
PRODUCT ACCESSORIES

OXYGEN CYLINDER TROLLEY

STAINLESS STEEL CYLINDER CART



The height 137cm
 The width 30cm
 Axle length 46cm
 Width of groove 24cm
 Thickness of material 1.2mm
 The weight 8kg
 Size of base plate 30.5x18cm
 Thickness of bottom plate 20cm
 Diameter of wheel 3mm



Dimension:
34cm x 20cm x 140cm



Dimension:
80cm x 20cm x 110cm



Capacity 200KG
 Height 1250mm
 Width 390mm
 Toe Plate Length 235mm
 Toe Plate Width 245mm
 Wheel Size 200mm / 254mm
 Wheel Type Solid / Pneumatic or Polyurethane



SAMPLE PROJECTS



Guinea - Conakry

900 Oxygen Cylinders supplied to Guinea Conakry for a tender awarded by PASSPE funded by Islamic Development Bank (IsDB).



Nigeria

3 containers to Nigeria.
PATH Clinton Health Access Initiative, Inc. ,Every Breath Counts ,i+solutions ,World Health Organization



Liberia

Oxygen cylinders for Covid Response. Thanks to Clinton Health Access Initiative, Inc. And PATH

Partnered with:



SAMPLE PROJECTS

4



Guinea - Conakry

200 Servymed oxygen bottles to ANSS by Bolloré Transport & Logistics

5



Zambia

4 containers of 1300 cylinder shipped to Zambia funded by Unitaid through Clinton Health Access Initiative, Inc. and PATH.

6



Uganda

1300 oxygen cylinders to the Ministry of Health of Uganda. Funded by PATH and Clinton Health Access Initiative, Inc.

Partnered with:

