GasWORLD
Your Total Gas Solution

MEDICAL EQUIPMENTS

ABOUT US

Gasworld Sdn Bhd was incorporated in Malaysia in 2006, and has since established leadership in providing total gas solutions for diverse industries.

Gasworld's portfolio of products involves the distribution of a comprehensive range of quality products and gases such as Industrial gases, Medical gases and equipment, Firefighting gases and equipment, Welding equipment and consumables, Abrasive products, Welding equipment, Safety equipment as well as Refrigerant gases and equipment.

At Gasworld, we strive to understand your needs better and are dedicated to maintain long-term relationships with all our stakeholders. Our reliability and adherence to stringent quality standards has gained us a distinctive standing in the industry. We are a GDPMD Certified company, and an authorized agent of Air Products Malaysia Sdn Bhd, a world leading Fortune 500 company specialising in industrial Gases.

Driven by 180 employees, Gasworld is committed to employing best practices in safety, sustainability and customer service, as we grow our product offering and our circulation.

Experience the quality and reliability of our services!

OUR PRODUCTS INCLUDE:

- Pulse Oximeter
- SPO$_2$ Probe Sensor
- Oxygen Regulator
- Demand Valve Resuscitation Set
- Medical Flowmeter

- Suction Regulator
- Suction Trolley System
- Medical Outlet
- Bed Head Outlet
- Portable Oxygen Kit

- Medical Hose
- Respiratory Accessories
- Oxygen Concentrator
- Medical Gas Cylinder

CONTENTS

Finger Pulse Oximeter - OxiSmarter 1

OxiSmarter 1 is a nicely designed Finger Type Pulse Oximeter which can check a patient's heart rate and blood-oxygen saturation levels easily and quickly. The OxiSmarter 1 finger type pulse oximeter provides reliable SpO$_2$ and pulse rate measurement and can be worn around the neck. It is convenient for spot check readings. The OLED display and adjustable brightness allow usage in a wide range of light and dark environments. And the value of SpO$_2$ and PR can be clearly read at different angles from the OLED display. It is a great SpO$_2$ diagnostic tool for physicians and nurses to go for inspection around sickrooms of hospitals, also suitable for clinic and home use.

Features

• Large OLED display with SpO$_2$ waveform

• Display direction can be selected

• Low battery capacity indication

• Automatic power off after removing finger within 8 seconds

• Light weight

• Two AAA batteries for easy replacement

• Brightness can be set at 10 levels

• Can be worn around the neck for quick spot checking

Technical Specifications

Patient Range	Adult & Paediatrics	
Display	Digital OLED display, 6 display modes	
	Parameters	SpO$_2$ Pulse Rate (PR), PLETH bar, waveform
	Information	Low battery
	Brightness	Adjustable (10 levels)
Battery	2 AAA (1.5Vdc) batteries Runtime: minimum 30 hours for standard use	
Pulse Rate (PR)	*Range*	30 - 235 bpm
	Resolution	1 bpm
	Accuracy	30-99 bpm : +/- 2bpm 100 - 235 bpm : +/- 2%
SpO$_2$	*Range*	70% - 100%
	Resolution	1%
	Accuracy	70% - 100% : +/- 2% 0% - 69% not defined
	Method	Dual wavelength LED
Environmental	*Operating Temperature*	5^{0}C - 40^{0}C
	Storage Temperature	-20^{0}C - 55^{0}C
	Operating Humidity	RH ≤ 80%, non-condensing
	Storage Humidity	RH ≤ 93%, non-condensing
Classification	*Type of protection Equipment*	Internally Powered
	Compatibility	Class B
	Safety	IEC 60601-1-2
Appearance	*Dimension*	61 x 32 x 37 mm
	Weight	50g (including 2 batteries)

Display Mode

Oxy-Panda is a Finger Type Pulse Oximeter, which is made specially for children. The cute panda design makes SpO_2 measurement simple and easy for kids. Panda can check children's heart rate and blood-oxygen saturation levels accurately and quickly. There are 6 display modes to make values' reading convenient. It is a great SpO_2 diagnostic device suitable for both clinic and home-care.

Technical Specifications

Patient Range	Paediatrics	
Display	Digital OLED display, 6 display modes	
	Parameters	SpO_2 Pulse Rate (PR), PLETH bar, waveform
	Information	Low battery
	Brightness	Adjustable (10 levels)
Battery	2 AAA (1.5Vdc) batteries	
	Runtime: minimum 30 hours for standard use	
Pulse Rate (PR)	*Range*	30 - 235 bpm
	Resolution	1 bpm
	Accuracy	30-99 bpm : +/- 2bpm
		100 - 235 bpm : +/- 2%
SpO_2	*Range*	70% - 99%
	Resolution	1%
	Accuracy	80% - 99% : +/- 3%
		0% - 69% not defined
	Method	Dual wavelength LED
Environmental	*Operating Temperature*	5^0C - 40^0C
	Storage Temperature	-20^0C - 55^0C
	Operating Humidity	RH ≤ 80%, non-condensing
	Storage Humidity	RH ≤ 93%, non-condensing
Classification	*Type of protection*	Internally Powered Equipment
	Compatibility	Class B
	Safety	IEC 60601-1-2
Appearance	*Dimension*	50 x 28 x 28 mm
	Weight	25g (without batteries)

Features

• Easy and simple operation

• Display SpO_2, PR, Pleth Bar, Pleth waveform

• Low power consumption; automatically power off when finger out in 8 seconds

• Six display modes; adjustable brightness

• Battery-low indicator

• Suitable for use in hospital or at home

Display Mode

Color Options

Finger Pulse Oximeter - Oxi-Q

Oxi-Q is a Finger Type Pulse Oximeter which can check a patient's heart rate and blood-oxygen saturation levels simply and quickly. The values are displayed on a bright LED screen. The Oxi-Q finger type pulse oximeter provides reliable SpO$_2$ and pulse rate measurement and can be worn around the neck. It is convenient for spot check readings. The large LED display allows usage in a wide range of light and dark environments. It is a great diagnostic tool for physicians and nurses to go for inspection around sickrooms of hospitals. It is also a convenient equipment for home care users.

Features

- Large digital LED display
- Selectable two direction display
- Low battery capacity indication
- Automatic power off after removing finger within 8 seconds
- Lightweight (55g with batteries)
- Two AAA batteries for easy replacement
- Can be worn around the neck for quick spot checking

Technical Specifications

Patient Range	Adult & Paediatrics	
Display	Digital OLED display, 2 display modes	
	Parameters	SpO$_2$ Pulse Rate (PR), Pulse bar
	Information	Low battery
Battery	2 AAA (1.5Vdc) batteries	
	Runtime: minimum 40 hours for standard use	
Pulse Rate (PR)	*Range*	30 - 235 bpm
	Resolution	1 bpm
	Accuracy	30-99 bpm : ± 2bpm
		100 - 235 bpm : ± 2%
SpO$_2$	*Range*	70% - 99%
	Resolution	1%
	Accuracy	70% - 99% : +/- 2%
		0% - 69% not defined
Environmental	*Operating Temperature*	5^{0}C - 40^{0}C
	Storage Temperature	-20^{0}C - 55^{0}C
	Operating Humidity	RH ≤ 80%, non-condensing
	Storage Humidity	RH ≤ 93%, non-condensing
Classification	*Type of protection*	Internally Powered Equipment
	Compatibility	Class B
	Safety	IEC 60601-1-2
Appearance	*Dimension*	62 x 34 x 38 mm
	Weight	55g (including 2 batteries)

Interference Resistance Capacity against Ambient Light.
The deviation of Oxyhaemoblobin values measured in different light is smaller than +/-1%, making it suitable to operate in dark rooms.

Display Mode

AH-MX is a high quality and well functioning device to check a patient's blood oxygen saturation (SpO$_2$) level and pulse rate. As a portable, convenient and reliable physiological monitoring device, hand-held pulse oximeter AH-MX can greatly enhance patient care. It is widely applied in clinics, hospitals, medical organizations, and emergency wards, etc.

Technical Specifications

Patient Range	Adult & Paediatrics & Neonate patients	
Display	2.4" color display 320 x 240 pixels	
Battery	Li-ion rechargeable battery or 3 AA alkaline batteries (optional). Runtime 14 hours for standard use.	
Pulse Rate (PR)	*Range*	30 - 250 bpm
	Resolution	1 bpm
	Accuracy	+/- 2bpm
	Refreshing rate	<13 seconds
SpO$_2$	*Range*	0% - 100%
	Resolution	1%
	Accuracy	70% - 100% : ± 2%
		0% - 69% not defined
	Refreshing Rate	<13 Seconds
	Pitch Tone	Yes
Data Storage	*Display way*	Trend tabular
	Trend interval	2 seconds to 30 minutes
	Trend parameter	PR, SpO$_2$
	Trend data	Spot-check mode : ID from 1 to 99, 300 records for each ID
Alarm	Gives audible alarm, button tone and beep tone. Support Pitch Tone and multi-level volume Alarm tones met the requirement of IEC 60601-1-8	
Safety Standard	CE Classification : IIb Type of protection against electric shock: II, with internal power device. Degree of protection against electric shock : CF Degree of protection against ingress of liquid : IPX1 *Specifications are subject to change without notice	

Features

• Visual & sound alarms

• Auto-rotate screen

• With medical grade AC/DC charger

• Convenient 3 AA size alkaline or rechargeable Li-ion battery

• Stores up to 99 IDs with 300 records each

• High resolution 24" color display

• Light and compact hand-held design

Accessories

SPO$_2$ Probe Sensors

SILICONE SOFT-TIP TYPE

- Soft and comfortable for continuous monitoring
- Accurate and quick SpO$_2$ reading
- Easy to clean and durable
- Latex-free

ADULT TYPE

- Steady and comfortable hold of the fingertip
- Accurate and reliable oxygen saturation reading
- Easy to clean and durable

PEDIATRIC TYPE

- Small size for paediatric use
- Accurate and reliable oxygen saturation reading
- Easy to clean and durable
- Latex-free

NEONATE TYPE

- Keeps readings accurate while the child is in minor motion
- Holder can adjust for different size
- Easy to clean and durable
- Latex-free

DISPOSABLE TYPE

- Sanitary consideration
- Can apply for the wide range of finger sizes
- Uses medical grade transparent fabric material
- Self-adhesive and re-positionable design
- Cost-effective

SpO2 EAR CLIP 3MT (ANIMAL)

- Accurate and reliable oxygen saturation reading
- Easy to clean and durable
- Latex-free

CPAP Tubing

CPAP Mask

CPAP Device Bag

Specifications

Operation Model	Continuous
Pressure Range	4 - 20cm H_2O (adjustable in 1cm H_2O increments)
Pressure Accuracy	±0.5cm H_2O
Unit Dimensions	140mm (L) x 140mm (W) x 110mm (H)
Weight	910g
Sound Pressure Level	< 30 dB (A)
Alarm Sound Pressure Level	> 39 dB (A)
Supply Voltage	AC 100-240V, 47/63Hz, < 110W
Operation Range	Temperatures: $5^0C \sim +35^0C$ Humidity: 10% ~ 90% Non-condensing
Transport and Storage Range	Temperatures: $-20^0C \sim +85^0C$ Humidity: 10% ~ 90% Non-condensing
Expiration Date	5 Years
Standard Compliance	IEC 60601-1 IEC 60601-1-2 ISO 80601-2-70
IEC 60601-1 Classification	Class II Equipment Type BF Applied Part IP21-Drip-Proof, Vertical

Features

• Ramp function allows user to fall asleep more comfortably, gently increasing the pressure.

• Simple user interface, easy for the end user to learn how to control the device.

• Is capable of recording the treatment duration and the device working time.

• Two optional ways to draw user's attention to the encountered usage issue, such as leakage: with backlight and sound (could be simultaneously)
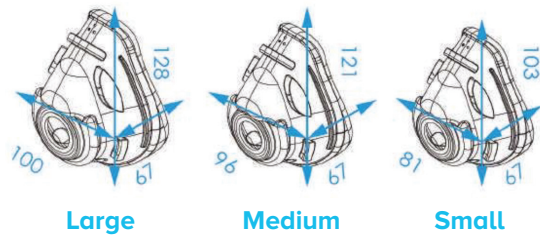
Product Functions

• Ramp function	• Humidifier (Optional)
• Data record	• Micro SD card w/ software
• Clock and alarm	

COM-PAP II CPAP Device

CPAP Full-Face Mask

Nasal Type Model:

RAP-301 (Small)
RAP-302 (Medium)
RAP-303 (Large)

Large	**Medium**	**Small**

Comfort

Multi-layered cushion technology helps to deliver tubing pressure even when body moves, and provide good attachment to human face.

Complementing Materials

Silicone mask body is autoclavable up to 135^0C.
Polycarbonate frame keeps the structure rigid and durable.

Functionality

Detachable AAV (Anti-Asphyxia) valve for BPAP use.

Tiny blowholes for quiet and smooth air flow.

Quick release buckles for daily wearing.

Simple assembly for easy parts cleaning and replacement

NIV Full-Face Mask

• No-vent design
• The connector inner diameter 22mm
• Application for ventilator patient

Nasal Type Model:

RAP-301 (Small)
RAP-302 (Medium)
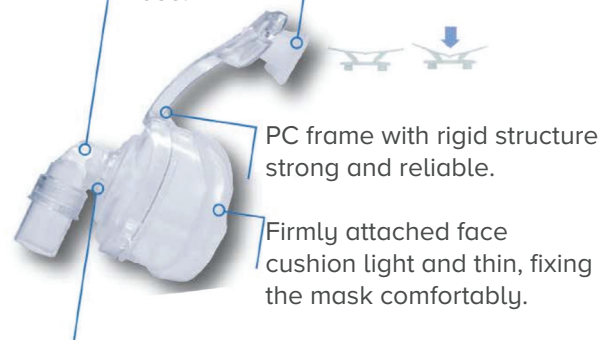RAP-303 (Large)
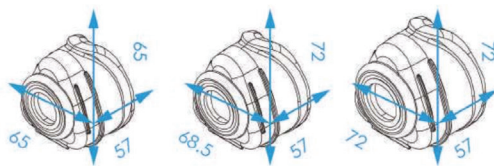
Small   **Medium**   **Large**

Airstream blowholes reduce the flow noise for quieter use.

Ladder-shaped forehead cushion provides comfort and flexibility in order to fit different foreheads.

PC frame with rigid structure strong and reliable.

Firmly attached face cushion light and thin, fixing the mask comfortably.

Flexible connection elastic for better CPAP air supply.

• The silicone mask attaches firmly to the human face to avoid air leakage.

• One port design for convenient O_2 supply and CO_2 measurement.

• Low noise level and good compatibility.

• The tube connection is flexible to adjust to the body movement.

• Quick release headband with buckles.

• The nasal mask has the forehead pad for better adjustment.

• The connector on this CPAP mask can turn 360^0

Model: ASU-200

Device Bag

Handy Controller
(on/off)

DC Cord

Specifications

Model	ASU-200
Power Consumption	35 VA
Max Suction Pressure	-80 Kpa (~ -600mmHg)
Exhaust Air Volume	24 L/min
Unit Dimensions	190mm (L) x 110mm (W) x 175mm (H) 140mm (L) x 340mm (W) x 210mm (H)
Weight	1.7 Kg/2.0kg
Sound Pressure Level	< 70 dB (A)
Supply Voltage	AC 100-240V, 50/60Hz Acare car charger for DC12V
Battery Usage Time	1hr (during fully charged)
Battery	14.8V, 2.5Ah
Container	1000 ml
Operation & Storage Range	Operation Temperature: ±10^{0}C ~ +40^{0}C Storage Temperature: -15^{0}C ~ +50^{0}C Humidity: 10% ~ 90% Non-condensing
Standard Compliance	IEC 60601-1 IEC 60601-1-2 ISO 10079-1
IEC 60601-1 Classification	Class I Equipment Type BF Applied Part IP21
Standard Accessories	Suction container, connection tube, power adapter and carrying bag.
Optional Accessories	Car charger, Handy Controller (on/off) and battery

- Portable and simple and operate
- Small size, light weight for carrying
- High power performance with vacuum -80kPa
- Fully charged battery lasts for up to 60 minutes runtime
- Power supply allows operation on AC 100V -240V and DC12V with Acare car charger
- Suction container provide 800-1000ml, depending on user's requirements

3 in 1 Demand Valve Resuscitation Set

Acare Demand Valve Resuscitator Set provides the benefits of resuscitation, suction and oxygen therapy all in one. The Acare demand valve will function as a manually triggered ventilator as well as provide 100% oxygen on demand for the spontaneous breathing patient. Demand valve resuscitator set includes a demand valve, an oxygen regulator and an oxygen powered aspirator with collection jar.

Features

• Durable anodized aluminium body.

• Demand valve provides a resuscitation flow rate of 40 LMP and a manual flow rate up to 160 LPM.

• Allows both hands to remain on the mask when disabling the manual ventilation with a button

1. Suction

• Connection: DISS
• Supply Pressure: 50 PSI
• Free Airflow: 30L/min

2. Oxygen Supply

• Inlet Connection: CGA870 yoke
                       (various types of
        inlet connection
available).
• Output Pressure: 50 PSI
• Flow Rate: 0-25 LPM

3. Oxygen Demand Valve

• Gas Inlet Connection: DISS
• Gas Outlet: 22mm x 15mm
• Pressure: 40~60PSIG
• Flow Rate: Provides 40LPM manual
                       flow rate and up to
                       160LPM flow rate on
                       demand by the patient.

• Pressure Relief Valve: 60cm H_2O
   features.

VST Series - Click Style Oxygen Regulator Aluminum Body

VST-305

CGA 870 Body
0 - 15 lpm

VST-306

w/ gauge
0 - 25 lpm

VST-306

w/o gauge
0 - 25 lpm

VST-308

Long Size - CGA 870 Body

VST-AM2

Mini Size - CGA 870 Body

VST-311

CGA 870 York
0 - 15 lpm

VST-366

CGA 870 York
0 - 4 lpm

VST-375

CGA 870 Body
0 - 4 lpm

VST-238

CGA 992
0 - 1 lpm

Body Sizes

Mini size :   7.5cm
Regular Size :   13cm
Long Size :   15.5cm

AH-02

Cannula

Specifications

Material : Internal brass parts, and aluminium surface.

Output Pressure : 50 psi fixed

Flow Rate :   0 ~ 4 lpm   0 ~ 15 lpm

                              0 ~ 8 lpm   0 ~ 25 lpm

Various types of inlet connection can be selected.

Accessories : humidifier& cannula.

Features

• With built-in flowmeter

• Output pressure is fixed at 50 psi

• With UL certified gauge

• Can be used with various types of O_2 cylinder, having high quality and low repair rate.

• The flow output accuracy is within ±10% which meets medical standard.

• With GMP, ISO 13485 & CE certificates

Inlet Connection				
CGA992 (Hand-tight Wheel)	CGA540	CGA870 Body	CGA870 York	Rotary York CGA870
Flow				
0 - 8 lpm	0 - 8 lpm	0 - 8 lpm	0 - 8 lpm	0 - 8 lpm
0 - 15 lpm	0 - 15 lpm	0 - 15 lpm	0 - 15 lpm	0 - 15 lpm
0 -25 lpm	0 -25 lpm	0 -25 lpm	0 -25 lpm	0 -25 lpm
Mini				
VST-214	VST-107	VST-301	VST-320	VST-328
VST-211	VST-108	VST-AM2	VST-321	VST-316
VST-215	VST-109	VST-303	VST-322	VST-329
Regular				
VST-216	VST-104	VST-304	VST-323	VST-330
VST-210	VST-105	VST-305	VST-311	VST-331
VST-217	VST-106	VST-306	VST-324	VST-332
Long				
VST-218	VST-101	VST-307	VST-325	VST-333
VST-219	VST-102	VST-308	VST-326	VST-334
VST-220	VST-103	VST-309	VST-327	VST-335

DISS connector could be used to attach humidifier and cannula.

VST - All Brass Series

For High Output Pressure and High Flow Use.

VST-314

CGA 870
0 - 15 lpm

VST-312

CGA 870
0 - 25 lpm

VST-361

CGA 870
0 - 15 lpm with schrader

VST-362

CGA 870
0 - 25 lpm with schrader

VST-317

CGA 870
0 - 15 lpm

VST-233 (Brass)

CGA 992
0 - 25 lpm

VST-391

Mini Size - CGA 870 Body

Specifications

Material: Pure brass body with chrome.

Output Pressure : 50 psi fixed

Flow Rate : 0 ~8 lpm

0 ~15 lpm

0 ~25 lpm

Various types of inlet connection can be selected.

Accessories: Humidifier & cannula.

Features

• With built-in flow meter.

• Output Pressure is fixed at 50 psi

• With UL certified gauge.

• Can be used with various types of O_2 cylinder, having high quality and low repair rate.

• The flow output accuracy is within ± 10% which meets   medical standard

• With GMP, ISO 13485 & CE certificates

ACCESSORIES
Oxygen Gauge (2 inch)

UL Certified Pressure Gauge (PSI)

UL Certified Pressure Gauge (PSI)
For click type oxygen regulator use 1.5 inch)

VSY Series - Piston Type Structure

VSY-101

CGA540 Inlet

VSY-224

CGA992 Handtight Wheel

VSY-225

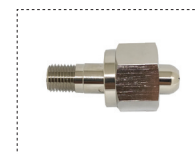CGA992 Handtight Wheel

VSY-226

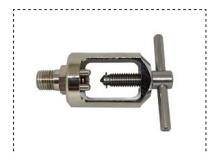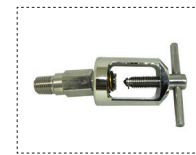
CGA992 Handtight Wheel

VSY-311

Rotary CGA 870

CGA 540

CGA 870

Rotary CGA 870

CGA 992 (BS) Handtight Wheel

Specifications

Material: Pure brass body with chrome coating.

Output Pressure : 50 psi fixed

Flow Rate : 0 ~15 lpm.

Choose between side and top entry.

Various types of inlet connection can be selected.

Accessories : humidifier, cannula & flowmeter connector.

Features

• Output Pressure is fixed at 50 psi

• Utilizes crack-resistant flow tube made of polycarbonate and accurate gauge

• Can be used with various types of O_2 cylinder, having high quality and low repair rate.

• The flow output accuracy is within ± 10% which meets medical standard

• With GMP, ISO 13485 & CE certificates

ACCESSORIES
Oxygen Gauge (2 inch)

UL Certified Pressure Gauge (PSI)

UL Certified Pressure Gauge (PSI)
For click type oxygen regulator use 1.5 inch)

VSW Series - Diaphragm Type Structure

VSW-009

Japanese Inlet
360⁰ DISS connection ventilator use

VSW-105

CGA540 Inlet

VSW-224

CGA992 Handtight Wheel Inlet

VSW-232

CGA992 Handtight Wheel For both top entry & side entry

VSC-307

Rotary CGA870 Inlet

Specifications

Material: Pure brass body with chrome coating.

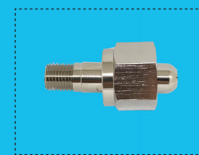Output Pressure : 30 ~ 80 psi

Flow Rate : 0 ~ 15 lpm.

Choose between side and top entry.

Various types of inlet connection can be selected.

Accessories : humidifier, cannula & flowmeter connector.

Features

• Output Pressure is fixed at 50 psi

• Utilizes crack-resistant flow tube made of polycarbonate and accurate gauge

• Can be used with various types of O_2 cylinder, having high quality and low repair rate.

• The flow output accuracy is within ± 10% which meets   medical standard

• With GMP, ISO 13485 & CE certificates

CGA 540

CGA 870

Rotary CGA 870

CGA 992 (BS) Handtight Wheel

VSC Series - Two Gauge Type
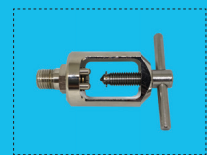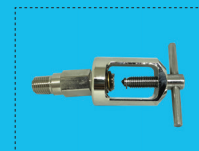
VSC-102
CGA540 Inlet

VSC-208
CGA992 Handtight Wheel

VSC-302
CGA870 Inlet

VSC-304
Rotary CGA870 York

VSC Series - Central Type Use
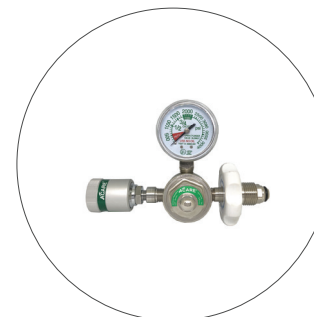
VSC-203
CGA992 Handtight Wheel

VSC-204
CG992 Inlet Handtight Wheel

VSC-213
CG992 Inlet Handtight Wheel With Schrader Valve

VSC-218
CGA992

Specifications

Material: Pure brass body with chrome coating.

Output Pressure : 30 ~ 80 psi

Output pressure rate depends on the flow coating

Flow Rate : 0 ~ 15 lpm.

Various types of inlet connection can be selected.

Accessories : humidifier & cannula

Features

• Circle gauge flowmeter to read the flow value easier.

• Can be used with various types of O_2 cylinder, proving high quality and low repair rate.

• The flow output accuracy is within ± 10% which meets medical standards.

• With GMP, ISO 13485 and CE certificates.

Constant Type Flowmeter

FA-OB-03

Single Oxygen Flowmeter

FA-OB-27

CE Mark Flowmeter
MK IV Inlet Adapter (O_2)

FA-OB-17

360^0 DISS Connector

FA-AB-03

Single Air Flowmeter

FA-AB-27

CE Mark Flowmeter
MK IV Inlet Adapter (Air)

FA-OT-21

Thin Oxygen Flowmeter
c/w Y Block & MK IV Inlet
Adapter (O_2)

FA-OS-42

CE Mark Flowmeter
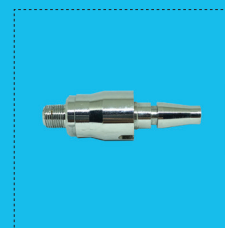CIG Inlet Adapter (O_2)

Constant Type Flowmeter

• Flow rate remains accurate when the inlet pressure changes

• Flow Rate: 0~15 lpm

• Various types of inlet adapter can be selected

Features

• Use crack-resistant tube made of polycarbonate, pure brass flowmeter body with chrome coating

• Flowmeter can have back or side connection

• The flow output accuracy is within ±10% which meets medical standard

• Each unit goes through the inlet pressure 50 psi standard test before shipment.

• With GMP, ISO 13485 & CE certificates.

CIG

MK-IV

FA-OS-08

Neonate use:
0~1 LPM

FA-OS-28

MK IV Inlet Adapter
Neonate Use:
0~1 LPM

FA-OS-24

MK IV Inlet Adapter
Neonate Use:
0~3.5 LPM

FA-OM-24

Twin Flowmeter
0~3.5 LPM

FA-OM-28

Twin Flowmeter
0~1 LPM

Slim Type Flowmeter

• Inlet pressure must be fixed at 50 psi to keep the accuracy of the flow rate measurement

• Flow rate: 0~15 lpm

• Various types of inlet adapter can be selected

FA-OD-27   FA-TD-02   FA-AD-27   FA-TA-21   FA-OD-01   FA-OD-05   FA-OD-02   FA-OD-06

| Oxygen | Oxygen | Air | Air | Oxygen 0~25 LPM | Oxygen 0~4 LPM | Oxygen 0~15 LPM | Oxygen 0~8 LPM |

Dial Flowmeter

• Small and handy size, with user-friendly dial design

• Flow rate: 0~15 lpm, 0~25 lpm

• Various types of inlet adapter can be selected

• Can connect with humidifier

AH-02: Reusable, Brass connection, with safety valve.

AH-03: Reusable, Plastic connection, without safety valve.

AH-04: Disposable, Plastic connection, with safety valve.

Flowmeter Connector

AH-05: Reusable, Aluminium connection, with safety valve.

AH-06: Reusable, Aluminium connection, with safety valve.

Valve Wrench

Cannula

French Type Suction Regulator

VRF-701 (0-760mmHg)

Vacuum Outlet
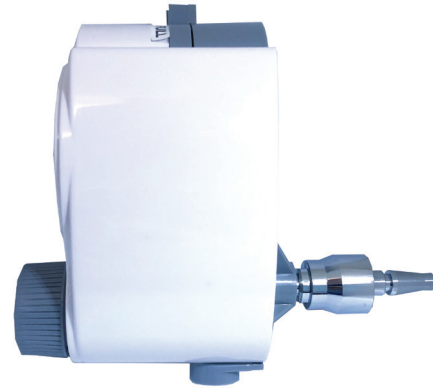Can connect with various types of outlet adapter, and customized for your special requirement.

Features
- The gauge is located inside the regulator body
- Accurate suction control within ±10%
- Quick switch for On/Off vacuum
- Clear Analogue Display of the 2 1/2" pressure gauge
- Simplified internal mechanical design for easy maintenance and cleaning
- Nice outlook with durable plastic case
- Large control knob for easy setting
- Comes with a variety of inlet adapters

	0-760mmHG	0-400mmHG
w/o adapter	VRF-701	VRF-401
w/ Ohmeda	VRF-711	VRF-411
w/ MK IV	VRF-721	VRF-421
w/ PB	VRF-731	VRF-431
w/ AFNOR	VRF-741	VRF-441
w/ Kawasaki	VRF-751	VRF-451
w/ DISS	VRF-761	VRF-461
w/ DIN	VRF-771	VRF-471
w/ Barb Adapter	VRF-781	VRF-481
w/ Chemetron	VRF-791	VRF-491
w/ CIG	VRF-7A1	VRF-4A1
w/ Oxequip	VRF-7B1	VRF-4B1

American Type Suction Regulator

VRA-701 (-760mmHg)

Reusable Suction Bottle & Disposable Liner
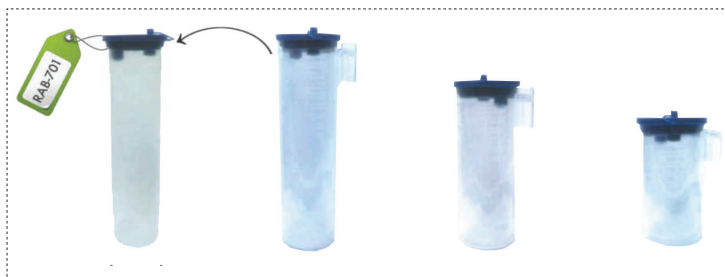
Bottle Code	AC-SJ21 (2000cc)	AC-SJ23 (1500cc)	AC-SJ22 (1000cc)
Liner Code	RAB-701	RAB-703	RAB-702

Features

• The gauge is located inside the regulator body

• Accurate suction control within ±10%

• Quick Switch between modes: Reg/Off/Full Vacuum

• Clear Analogue Display of the 2 1/2" pressure gauge

• Constant vacuum control

• Nice outlook with durable plastic case

• Large control knob for easy setting

• Comes with a variety of inlet adapters

Vacuum Outlet

Can connect with various types of outlet adapter, and customized for your special requirement.

AC-AH-12 reusable 1200cc

AC-SJ-20 reusable 1200cc

AC-ST1

AC-ST2

Safety Trap
Safety traps are recommended to use for protecting regulators and preventing accidental overflow.

Safety Trap Connection
1/8 Male NPT
* DISS

	-760mmHG	-300mmHG	-160mmHG
w/o adapter	VRA-701	VRA-301	VRA-101
w/ Ohmeda	VRA-711	VRA-311	VRA-111
w/ MK IV	VRA-721	VRA-321	VRA-121
w/ PB	VRA-731	VRA-331	VRA-131
w/ AFNOR	VRA-741	VRA-341	VRA-141
w/ Kawasaki	VRA-751	VRA-351	VRA-151
w/ DISS	VRA-761	VRA-361	VRA-161
w/ DIN	VRA-771	VRA-371	VRA-171
w/ Barb Adapter	VRA-781	VRA-381	VRA-181
w/ Chemetron	VRA-791	VRA-391	VRA-191
w/ CIG	VRA-7A1	VRA-3A1	VRA-1A1
w/ Oxequip	VRA-7B1	VRA-3B1	VRA-1B1

Medical Outlet

thread type

M14x1.5

barb type

Inlet Connection

Inlet connection specifications can be customised.

Screw Plate (Optional)

Can add screw plate to meet your installation requirement.

Valve Body

Valve Body is built with pure brass material to avoid oxidation, it is durable for long term use. Special structure design allows repairing under gas supply.

Inlet Tube

Pure brass material to avoid oxidation. For long term use and less maintenance efforts. Tube diameter can be customised.

Aluminium Cover

Use aluminium material for cover body. Strong in using and easy for cleaning.

Color Code Ring

ISO 32 color standard is applied to identify different gases. The color code ring is made by mould injection instead of traditional label sticker for durable use.

Two-step Pull-Out Security Design

Our gas outlet has two-step pull-out design. The adapter will be ejected on the second time, to protect the user from pulling out adapter accidentally.
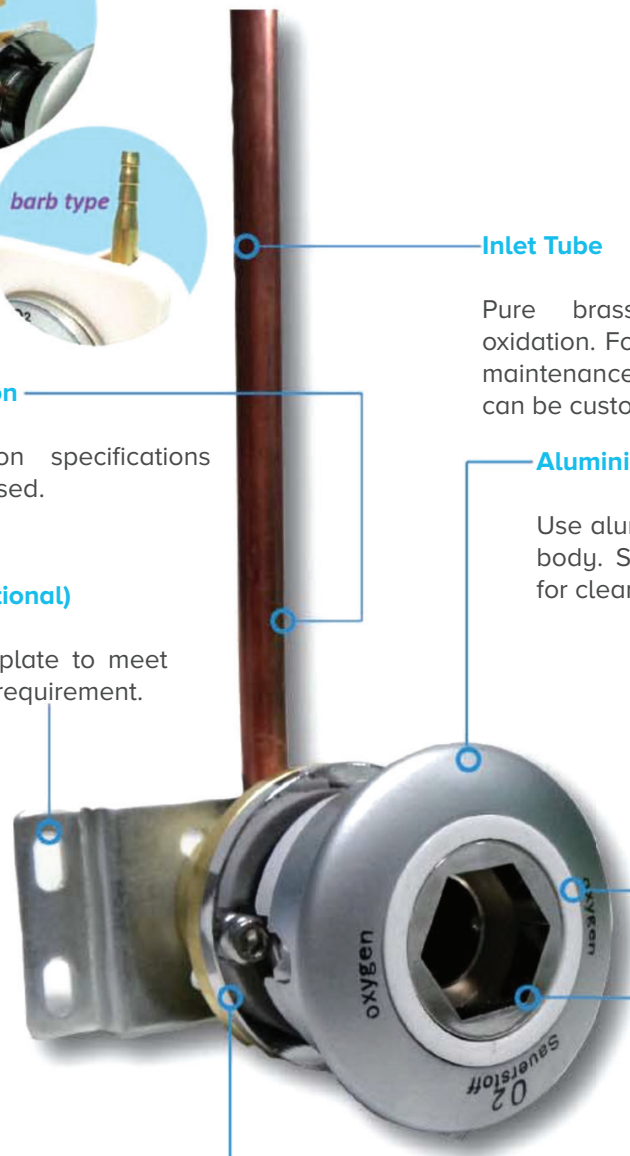
MK IV STYLE

MG-BS-10 (O$_2$)

MG-BS-13 (O$_2$)

MG-BS-30 (VAC)

Medical Outlet N$_2$O / O$_2$ (Entonox)

Features

• Modular design

• Compatible with US-Ohmeda, British-MK IV, Germany-DIN, Japanese-Kawasaki, French-AFNOR connection standards.

• O$_2$, Air, Vacuum, N$_2$O/O$_2$ (Entonox) gas outlets are available.

• All types of gas outlet could be repaired under gas supply.

• Large color-coded front plate for easy gas identification and aesthetic appeal.

• The main material is pure brass, it is durable for long term use.

• Easy installation and well connecting/removing with probe.

• Two step pull out design can prevent the user from pulling out the adapter accidentally.

Medical Gas Adapters Inlet Adapters

Ohmeda
Ohio
Diamond

JIS

AFNOR

CIG

Puritan Bennett

DISS

Chemetron

BS

DIN

COUPLING ADAPTERS

BS
- 1/8" male NPT
-1/8" female NPT
-1/4" male NPT

JIS
- 1/8" male NPT
-1/8" female NPT
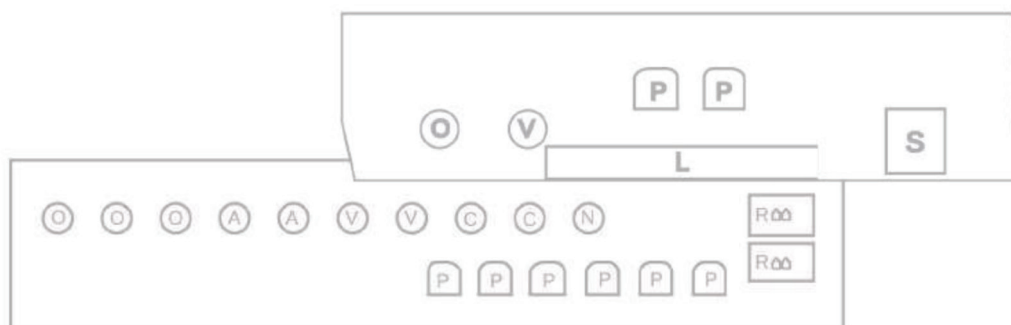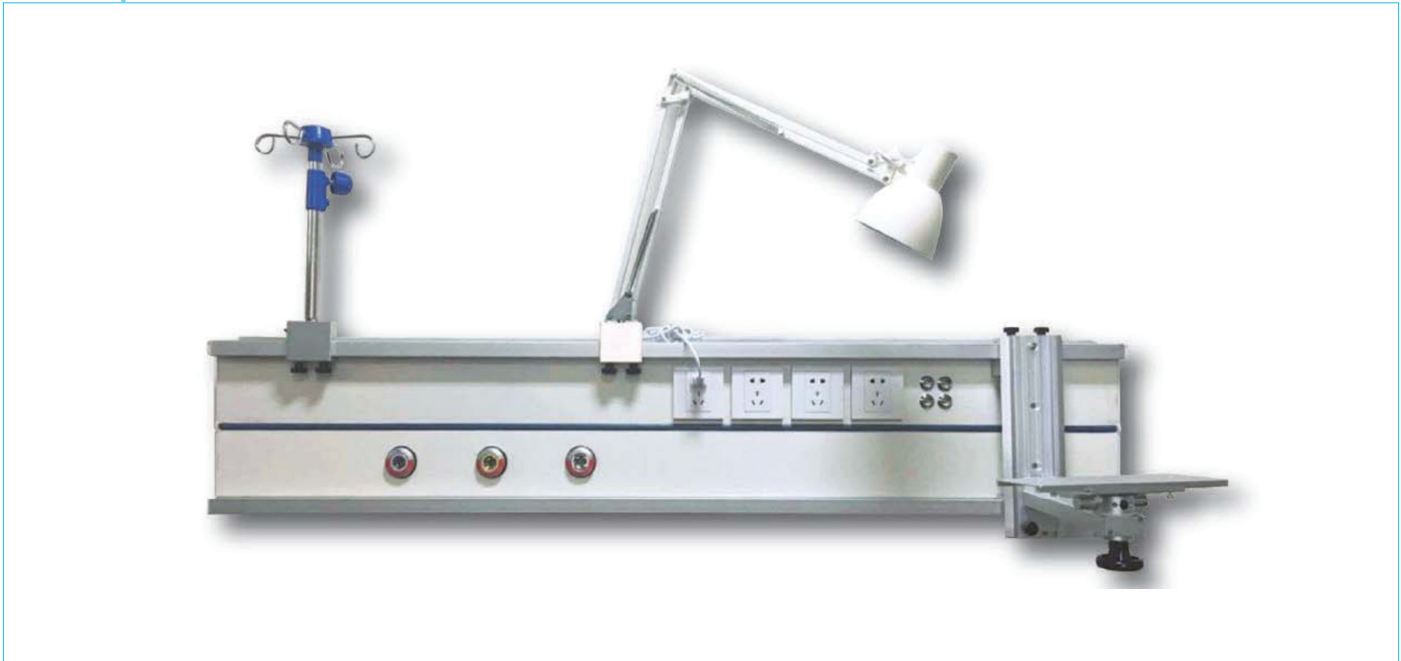-1/4" male NPT

Ohmeda
- 1/8" male NPT

DIN
- 1/8" male NPT

AFNOR
- 1/8" male NPT

TWIN COUPLING VALVE

BS

Bed Head Unit (Hospital Panel)

Bed Head Unit Customization

We are capable of customizing Bed Head Unit with technical specification provided.

• Bed Head Unit Length

• Gas Outlet Type & Quantity

• Requirement of Electrical Light

• Special Requirement

Features

• Modular Design

• Can be equipped with O_2, Air, Vacuum, N_2O gas outlet

• Colorful front plate could be designed

• Includes large light switch

• Panel built with strong metal frames

• Easy installation of various types gas outlet

• With several electricity power sockets for connecting medical equipments

• Can be customised to meet your requirements

Medical Hose Adapters

- Available in a variety of gases
- Available in USA and ISO colors
- Length: 100m

COLORS

| 34GR	34WH	34YE	35RO	34BL	35GY	35PU	34BW

Features

- Designed for centralised medical gas distribution in hospitals, operating rooms, dental offices and clinics.
- Connector: Ohmeda, DISS, Chemetron, Puritan-Bennet, FS, GS, BS.
- Maximum Working Pressure: 200 psi.
- Connector made by brass or stainless steel.
- Available in custom lengths and configurations add the length required with "-xx"

Guedel Airway

RAC-032
60mm

RAC-034
80mm

RAC-036
100mm

RAC-031
50mm

RAC-033
70mm

RAC-035
90mm

RAC-037
110mm
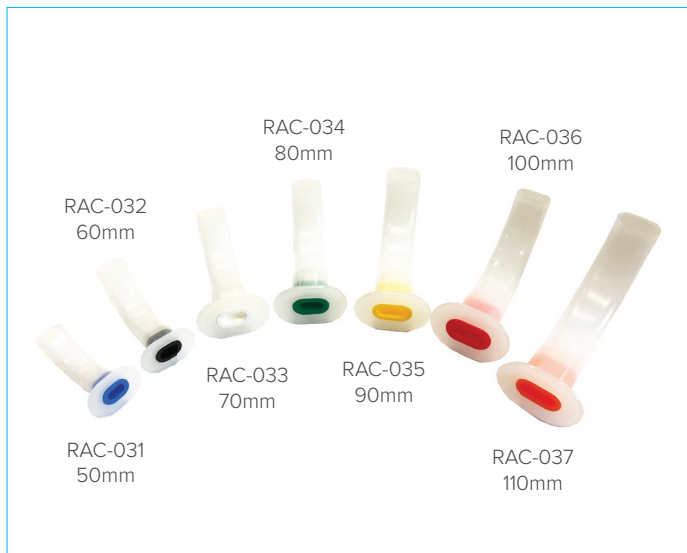
RAR-100

RAR-301 (Child)

RAR-501 (Adult)

RAR-300

RAR-502 (Adult)

Infant Test Lung

Test Lung

Oxygen Mask (Child)

Oxygen Mask (Adult)

Portable 2.9L Medical Oxygen Therapy Set

• Portable Oxygen Kit is the perfect solution for outdoor activities.
• Includes an oxygen cylinder, oxygen regulator, nasal oxygen tube and a carrying bag.
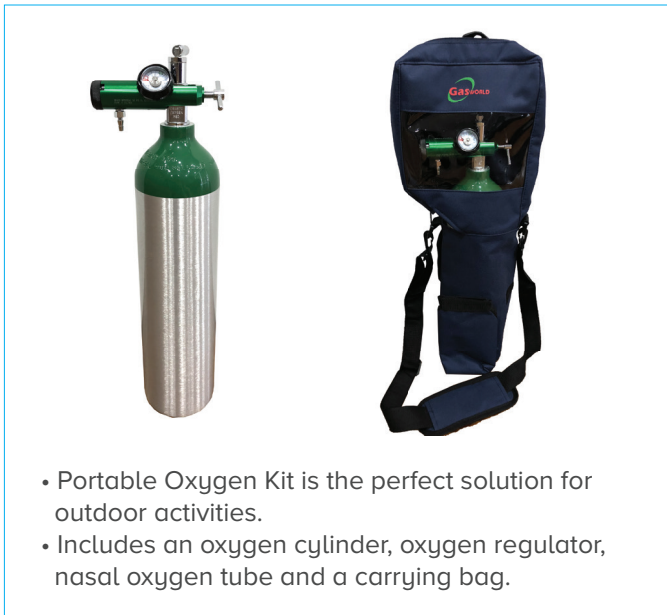
Scottish Com Spanner

5" Single Trolley

7" Single Trolley

8" Single Trolley

12" Single Trolley

Oxygen Concentrator

EverFlo

Your patients will appreciate the compact, non-medical design of the EverFlo oxygen concentrator because it will fit right into their home environment. The unit is designed to be small, light, easy to transport and will fit into the trunk of a car. EverFlo has an easy-to-mount humidifier bottle connection and no patient filter.

Specifications

Input Voltage	120 ± 10% VAC
Input Frequency	60 Hz
Ave. Power Consumption	350 Watts
Oxygen Concentration	93 ± 3% (at 5 LPM)
Litre Flow	0.5 - 5 litres per minute
Weight	14kg (31lbs)
Sound Level	45 (typical) dBA
Dimensions	58.4cm (H) x 38.1cm (W) x 24.1cm (D)
OPI (O$_2$ Percentage Indicator)	Low Oxygen (82%)
Alarm Levels	Very Low Oxygen (70%)
Operating Temperature	12^{0}C to 32^{0}C / 55^{0}F to 90^{0}F
Storage/Transport Humidity	34^{0}C to 71^{0}C / -30^{0}F to 160^{0}F Up to 95% relative humidity ^{0}C/^{0}F
Operating Humidity	Up to 95% relative humidity ^{0}C/^{0}F
Outlet Pressure	5.5 PSi
Operating Altitude	0 - 2286m

ALUMINUM GAS CYLINDERS

Medical Ranges

We distribute a wide range of Medical Equipments such as Medical Aluminium Cylinders, Medical Regulators, Resuscitation Kits and Oxygen Therapy Kit.

Catalina Aluminium Cylinders

We are the distributors of Catalina Aluminium Cylinders in Asia and its cylinders are widely established in the gas industry as the highest quality Aluminium Cylinder. All cylinders are manufactured in accordance with U.S. DOT 3AL and TC 3ALM requirements and every cylinder is inspected and tested by a DOT and TC authorized independent inspection agency.

PART No.	SERVICE PRESSURE (psi/bar)	WATER CAPACITY (lbs/litres)	DIAMETER (in/mm)	LENGTH (in/mm)	CYLINDER WEIGHT (lbs/kgs)	OXYGEN (cu ft/litres)
M74	3000 / 207	22.0 / 10.0	7.25 / 184.2	23.7 / 602	28.4 / 12.9	74.0 / 2096
M32	3000 / 207	9.3 / 4.2	4.38 / 111.3	25.4 / 645	10.5 / 4.8	32.0 /906
M20	3000 / 207	5.7 / 2.6	4.38 / 111.3	16.8 / 427	7.3 / 3.3	20.0 / 566
M12	3000 / 207	3.4 / 1.5	4.38 / 111.3	10.9 / 277	5.1 / 2.3	12.0 / 340
M7.8	3000 / 207	2.1 / .96	4.38 / 111.3	7.8 / 198	3.9 / 1.8	7.8 / 221
M7.5	3000 / 207	2.1 / .95	3.21 / 81.5	11.8 / 300	2.9 / 1.3	7.5 / 212
M265	2216 / 153	102.2 / 46.4	9.80 / 248.9	51.8 / 1316	84.8 / 38.3	265.0 /7505
M150	2015 / 139	63.7 / 28.9	8.00 / 203.2	47.0 / 1194	48.8 / 22.1	150.0 / 4248
M122	2216 / 153	47.1 / 21.4	8.00 / 203.2	36.2 / 919	39.5 / 17.9	122.0 / 3455
M90	2216 / 153	34.7 / 15.7	7.25 / 184.2	32.6 / 828	30.3 / 13.7	90.0 / 2549
M60	2216 / 153	23.2 / 10.5	7.25 / 184.2	22.9 / 582	22.3 / 10.1	60.0 / 1699
ME	2015 / 139	10.2 / 4.6	4.38 / 111.3	25.4 / 645	7.8 / 3.5	24.0 / 680
M22	2216 / 153	85 / 3.9	5.25 / 133.4	16.3 / 413	8.1 / 3.7	22.0 / 623
MD	2015 / 139	6.4 / 2.9	4.38 / 111.3	16.7 / 424	5.4 / 2.5	15.0 / 425
M9	2015 / 139	3.8 / 1.7	4.38 / 111.3	10.9 / 277	3.8 / 1.7	9.0 / 255
M7	2015 / 139	3.0 / 1.4	4.38 / 111.3	9.1 / 231	3.2 / 1.5	7.0 / 198
ML6	2015 / 139	2.5 / 1.2	4.38 / 111.3	7.8 / 198	2.9 / 1.3	6.0 / 170
M6	2216 / 153	2.3 / 1.0	3.21 / 81.5	11.8 / 300	2.3 / 1.0	6.0 / 170
M4	2216 / 153	1.5 / .70	3.21 / 81.5	8.7 / 221	1.7 / .80	4.0 / 113
M2	2216 / 153	.63 / .29	2.50 / 63.5	5.9 / 149	.75 / .34	1.6 / 45

SPECIFICATION   :   • DOT-3AL & TC-3ALM designed
                           • ISO design cylinders are available
ALLOY   :   • Manufactured from high strength aluminium alloy 6061-T6
THREADS   :   • M60 and larger supplied with 1.125-12 UNF thread, all others with .750-16UNF thread
FINISH   :   • Standard finish is brushed body with green crown (white crown for Canada) and clear paint
GRAPHICS   :   • Logos or labels in silkscreen or Duragrafix available upon request
ACCESSORIES   :   • CGA designation valves installed upon request
                           • M60 and larger are available with either a carrying handle or protective caps and collars.

Notes

Scan me for more info.

www.gasworld.com.my