



## MEDICAL GAS AND 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<sub>2</sub> 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

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Pulse Oximeter .....	pg 4
Probe Sensors.....	pg 8
Demand Valve Resuscitation Set. ....	pg 9
Oxygen Regulator.....	pg 10
Medical Flowmeter .....	pg 16
Suction Regulator.....	pg 18
Medical Outlet .....	pg 20
Bedhead Outlet.....	pg 23
Medical Hose.....	pg 24
Respiratory Accessories.....	pg 25
Oxygen Concentrator.....	pg 27
Aluminium Gas Cylinders .....	pg 31
Portable Oxygen Kit.....	pg 32
Dewar Tank .....	pg 33
MEDTEC / AWELD Portable Oxygen Inhaler .....	pg 34

# 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<sub>2</sub> 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<sub>2</sub> and PR can be clearly read at different angles from the OLED display. It is a great SpO<sub>2</sub> 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<sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub>	Range	70% - 100%
	Resolution	1%
	Accuracy	70% - 100% : +/- 2%
		0% - 69% not defined
	Method	Dual wavelength LED
Environmental	Operating Temperature	5°C - 40°C
	Storage Temperature	-20°C - 55°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	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<sub>2</sub> 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<sub>2</sub> diagnostic device suitable for both clinic and home-care.

## Features

- Easy and simple operation
- Display SpO<sub>2</sub>, 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

## Technical Specifications

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



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  $\text{SpO}_2$  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 <sub>2</sub> 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 <sub>2</sub>	Range	70% - 99%
	Resolution	1%
	Accuracy	70% - 99% : +/- 2%
		0% - 69% not defined
Environmental	Operating Temperature	5°C - 40°C
	Storage Temperature	-20°C - 55°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 Oxyhaemoglobin values measured in different light is smaller than  $\pm 1\%$ , making it suitable to operate in dark rooms.



Display Mode



# Hand held Pulse Oximeter - AH-MX



**AH-MX** is a high quality and well functioning device to check a patient's blood oxygen saturation (SpO<sub>2</sub>) 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

<b>Patient Range</b>	Adult & Paediatrics & Neonate patients	
<b>Display</b>	2.4" color display 320 x 240 pixels	
<b>Battery</b>	Li-ion rechargeable battery or 3 AA alkaline batteries (optional). Runtime 14 hours for standard use.	
<b>Pulse Rate (PR)</b>	Range	30 - 250 bpm
	Resolution	1 bpm
	Accuracy	+/- 2bpm
	Refreshing rate	<13 seconds
<b>SpO<sub>2</sub></b>	Range	0% - 100%
	Resolution	1%
	Accuracy	70% - 100% : ± 2%
		0% - 69% not defined
	Refreshing Rate	<13 Seconds
<b>Data Storage</b>	Pitch Tone	Yes
	Display way	Trend tabular
	Trend interval	2 seconds to 30 minutes
	Trend parameter	PR, SpO <sub>2</sub>
	Trend data	Spot-check mode : ID from 1 to 99, 300 records for each ID
<b>Alarm</b>	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	
<b>Safety Standard</b>	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<sub>2</sub> Probe Sensors



SILICONE SOFT-TIP TYPE



- Soft and comfortable for continuous monitoring
- Accurate and quick SpO<sub>2</sub> 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

SpO<sub>2</sub> EAR CLIP 3MT (ANIMAL)



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



## 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<sub>2</sub>O 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<sub>2</sub> cylinder, having high quality and low repair rate.
- The flow output accuracy is within  $\pm 10\%$  which meets medical standard.
- With GMP, ISO 13485 & CE certificates



## VST Series - Inlet Connection & Flow



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.



**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<sub>2</sub> cylinder, having high quality and low repair rate.
- The flow output accuracy is within  $\pm 10\%$  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<sub>2</sub> cylinder, having high quality and low repair rate.
- The flow output accuracy is within  $\pm 10\%$  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  
360° 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.

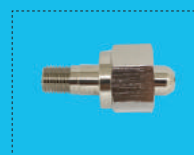
Choose between side and top entry.

Various types of inlet connection can be selected.

Accessories : humidifier, cannula & flowmeter connector.

### Features

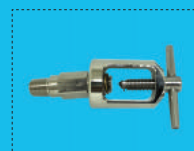
- Output Pressure is fixed at 50 psi
- Utilizes crack-resistant flow tube made of polycarbonate and accurate gauge
- Can be used with various types of O<sub>2</sub> cylinder, having high quality and low repair rate.
- The flow output accuracy is within  $\pm 10\%$  which meets medical standard
- With GMP, ISO 13485 & CE certificates



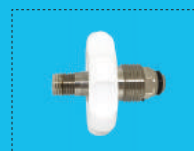
CGA 540



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<sub>2</sub> cylinder, proving high quality and low repair rate.
- The flow output accuracy is within  $\pm 10\%$  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<sub>2</sub>)

**FA-OB-17**



360° 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<sub>2</sub>)

**FA-OS-42**



CE Mark Flowmeter  
CIG Inlet Adapter (O<sub>2</sub>)

### 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  $\pm 10\%$  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

## Slim Type &amp; Dial Type Flowmeter



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 LPMOxygen  
0~4 LPMOxygen  
0~15 LPMOxygen  
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  $\pm 10\%$
- 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





Suction Regulator  
**American Type Suction Regulator**

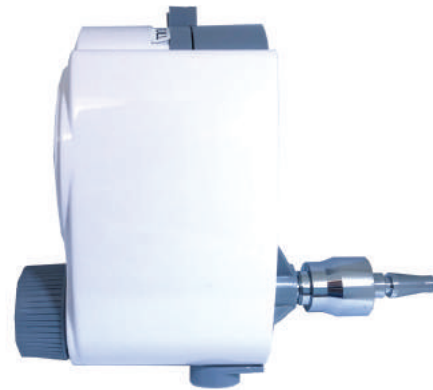
**VRA-701 (-760mmHg)**



Reusable Suction Bottle & Disposable Liner



Bottle Code **AC-SJ21 (2000cc)** **AC-SJ23 (1500cc)** **AC-SJ22 (1000cc)**  
 Liner Code **RAB-701** **RAB-703** **RAB-702**



**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

**Features**

- The gauge is located inside the regulator body
- Accurate suction control within  $\pm 10\%$
- 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

	-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



### Inlet Connection

Inlet connection specifications can be customised.

### Screw Plate (Optional)

Can add screw plate to meet your installation requirement.

### 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.

### 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.

### 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<sub>2</sub>)MG-BS-13 (O<sub>2</sub>)

MG-BS-30 (VAC)

Medical Outlet N<sub>2</sub>O / O<sub>2</sub> (Entonox)

## Features

- Modular design
- Compatible with US-Ohmeda, British-MK IV, Germany-DIN, Japanese-Kawasaki, French-AFNOR connection standards.
- O<sub>2</sub>, Air, Vacuum, N<sub>2</sub>O/O<sub>2</sub> (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

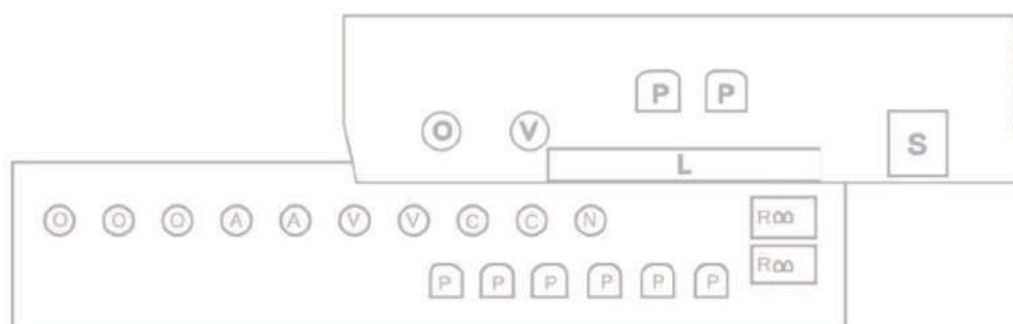
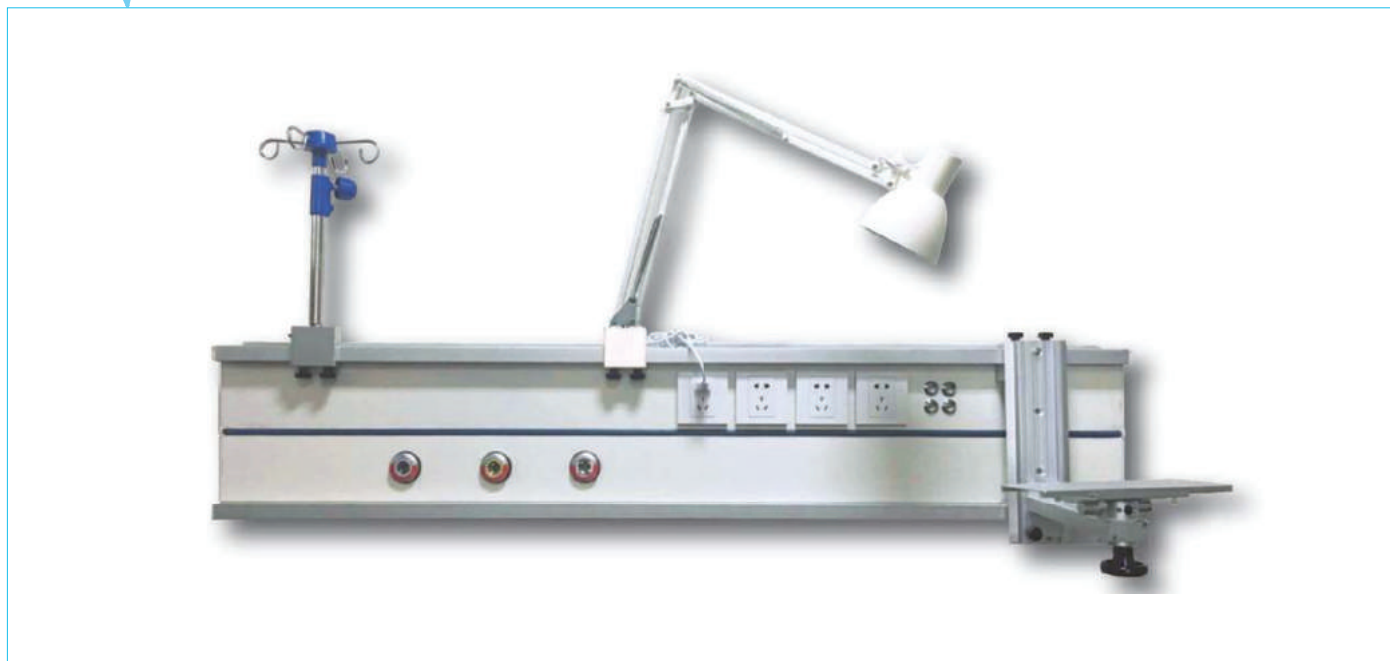
## TWIN COUPLING VALVE



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<sub>2</sub>, Air, Vacuum, N<sub>2</sub>O 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**



**RAR-100**



**RAR-301 (Child)**



**RAR-501 (Adult)**



**RAR-300**



**RAR-502 (Adult)**





**Infant Test Lung**



**Test Lung**



**Oxygen Mask (Child)**



**Oxygen Mask (Adult)**







## OXYGEN CONCENTRATORS

Model : LG102P (G2)

Weight : 11.5 lbs (5.2 kg)

Size : 9.1in x 8.7 in x 12.8 in  
23 cm x 22 cm x 32.5 cm

**Lovego**

### Features

- Medical Grade
- 87% - 95% @ all flow
- Oxygen capacity: 0 to 4.5 liters
- Battery life 2 hours
- Use at home / in the car / for travel



Warranty	2 Years for machine
	1 Year for sieves

### Suitable for:

Mild disease patients  
Medium disease patients  
Plateau use



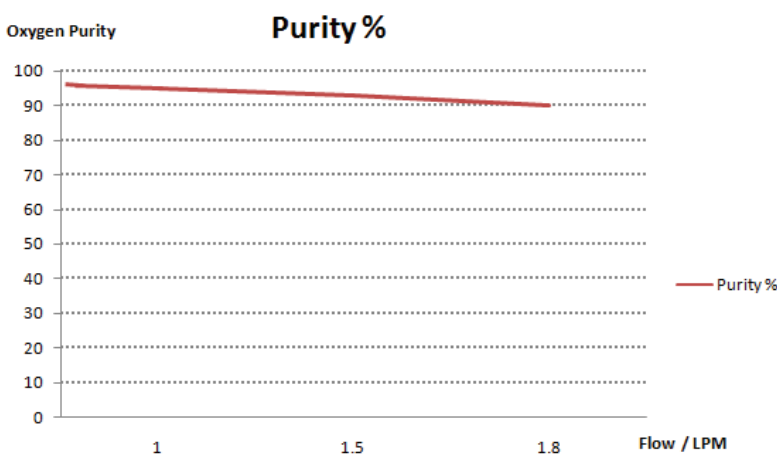
### Safety Alarms

Low oxygen Alarm	No breath Alarm	High temperature Alarm	Oxygen monitor Alarm
Screen show error code "E1"	Screen show error code "E2"	Screen show error code "E3"	Screen show error code "E5"
Activate when oxygen decrease to less than 82%	Activate when no breath detect at pulse flow setting	Activate when inside temperature reach 60°	Active when monitor has problem

### Flow settings and oxygen saturation

Continuous Flow Settings			
Continuous Flow	0.5LPM	1LPM	1.5LPM
Oxygen Saturation	95%	93%	90%
BatteryLife	2 hours	2 hours	2 hours
Pulse Flow Settings at average of 20 BPM (± 10ml)			
Pulse Flow	Equal to 2.5 liters	Equal to 3.5 liters	Equal to 4.5 liters
Bolus Size (ml/breath)	42 ml	58 ml	75 ml
Oxygen Saturation	87% to 95%	87% to 95%	87% to 95%
BatteryLife	2 hours	2 hours	2 hours

# OXYGEN CONCENTRATORS



Demonstration Video



The Lovego  
portable oxygen concentrator LG102P

Package information	
Innercolor box	57* 24* 27 cm
Outside box (pack 2 pieces)	57* 26* 59cm
20 GPcontainer	560pieces



Accessories	Photo	Item Code	Quantity
Battery		2608	1 piece
Charger		2609	1 piece
CarInverter		1610	1 piece
Spare Air Filter		2703	1 piece
NasalCannula(2 meter)		1704	1 piece
Humidifier Bottle		1705	1 piece
ShoulderBag		2902	1 piece
Trolley Cart		1903	1 piece
User Manual		2904	1 piece



## OXYGEN CONCENTRATORS

**lovego**

Model : LG103 (G3)

Weight : 14 lbs (6.35 kg)

Size : 8.2in x 11.8 in x 14.9 in  
21 cm x 30 cm x 38 cm

Warranty	3 Years for machine
	1 Year for sieves

### Features

- Smallest in 7L
- Top 7 liters oxygen capacity
- Top 7 hours battery life
- Safety design for sleep
- Use at home / in the car / for travel



### Suitable for:

Mild disease patients  
Medium disease patients  
Sieve disease patients  
Plateau use



### Safety Alarms

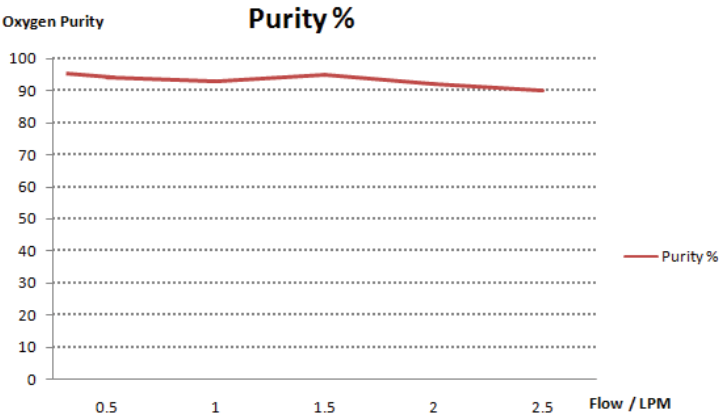
No flow alarm	No breath alarm	Low oxygen alarm	Low battery alarm
Screen show error code "NF"	Screen show error code "NB"	Screen show error code "E2"	Screen show error code "E5"
Activate when fold tube block off airflow	No breath detected at pulse flow setting	Activate when oxygen decrease less 82%	Active when battery power run out

### Flow settings and oxygen saturation

Continuous flow settings					
Continuous Flow	0.5LPM	1LPM	1.5LPM	2LPM	2.5LPM
Oxygen Saturation	94%	92%	95%	92%	90%
BatteryLife	7 hours	5 hours	3.5 hours	2.2 hours	1.8 hours

Pulse flow settings at average of 20 BPM (±10ml)							
Pulse Flow	Equal to 1 liters	Equal to 2 liters	Equal to 3 liters	Equal to 4 liters	Equal to 5 liters	Equal to 6 liters	Equal to 7 liters
Bolus Size (ml/breath)	17 ml	34 ml	50 ml	66 ml	83 ml	100 ml	120 ml
Oxygen Saturation	90%~ 96%	90%~ 96%	90%~ 96%	90%~ 96%	90%~ 96%	90%~ 96%	90%~ 96%
Battery Life	7.4 hours	6 hours	5 hours	4 hours	4 hours	3.5 hours	3.5 hours

# OXYGEN CONCENTRATORS



Demonstration Video



Package information	
Inner color box	36* 27* 43cm
Outside box (pack 2 pieces)	56* 37* 45cm
20GP container	600pieces



Accessories	Photo	Item Code	Quantity
Battery		3608	1 piece
Charger		3609	1 piece
Adaptor		3610	1 piece
DC Power Cable		3611	1 piece
Spare Air Filter		3703	1 piece
Nasal Cannula (2meter)		1704	1 piece
Nasal Cannula (2.5meter)		3705	1 piece
Humidifier Bottle		1705	1 piece
User Manual		3904	1 piece



## 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.

## PORTABLE OXYGEN KIT



### 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





## Portable Storage Series



### Product Overview

Portable storage series is an economical and practical small liquid nitrogen tank specially designed for biological samples that need to be stored regularly. The series is small in size and light in weight. It is made of high strength light aluminium alloy and contains multi-layer super-strong heat insulation layer. It realizes the safety, lightness and efficiency of the product and has many accessories to choose from.

### Product features

- 1) High strength, light weight and small size aluminium structure;
- 2) Equipped with belt;
- 3) Ultra low evaporation loss;
- 4) Number coding for canister place;
- 5) Lockable lid is optional to prevent unauthorized open;
- 6) CE certified;
- 7) Five years vacuum warranty;



### Specifications

MODEL		YDS-2-30	YDS-2-35	YDS-2	YDS-3	YDS-6	YDS-10
Performance							
LN2 Capacity (L)		2	2	2	3	6	10
Weight Empty (kg)		2.8	2.6	2.7	3.1	4.8	6.1
Neck Opening (mm)		30	35	50	50	50	50
Outer Diameter (mm)		223	204	223	223	300	300
Overall Height (mm)		399	428	385	435	482	552
Static Evaporation Rate (L/day)		0.07	0.08	0.10	0.12	0.12	0.12
Static Holding Time (day)		28	24	20	26	52	86
Maximum Storage Capacity							
Canister Diameter (mm)		19	25	—	38	38	38
Canister Height (mm)		120	120	—	120	120	120
Number of Canisters (ea)		3	3	—	6	6	6
Straws Capacity (120 mm canister)	0.5ml (ea)	90	165	—	792	792	792
	0.25ml (ea)	204	330	—	1788	1788	1788
Straws Capacity (276 mm canister)	0.5ml (ea)	—	—	—	—	—	—
	0.25ml (ea)	—	—	—	—	—	—
Optional Accessories							
Lockable Lid		✓	✓	✓	✓	✓	✓
PU Bag		✓	—	—	✓	✓	✓
Smart Cap		—	—	✓	✓	✓	✓



## MEDTEC Waterproof Bandage Spray

**MEDTEC Waterproof Bandage Spray** is a convenient and easy to use quick-dry spray for protecting small and superficial wounds. This formula provides transparent, breathable, flexible and waterproof film that immediately protects against water, dirt and bacteria. Do not use on heavily bleeding cuts.

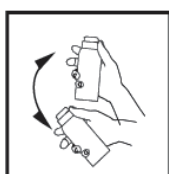
**Directions:** Clean and dry the affected area before application. Shake well before use. Hold the can 10cm away from the affected area. Spray a light coating on the affected area and let dry. Do not spray onto face. A stinging sensation may occur briefly upon application. The plaster will gradually disappear over time. For the removal, apply the alcohol onto the film and wipe off.



Clean



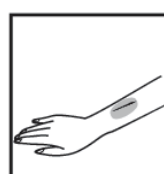
Disinfect & Dry



Shake well



Spray



Let Dry for 20 Sec.a

### CAUTIONS:

- Do not use it on abrasions, infected wounds, or deep burns.
- Do not use on face.
- Avoid contact with eyes.
- Do not inhale.
- The application may cause a slight tingling sensation.

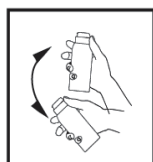


## MEDTEC Comforting Cast Spray

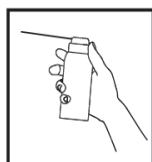
- Fresh and light Skin Feel
- Cool & Relief Skin Discomfort
- Eliminate Odor
- Infused with Tea Tree Oil

**MEDTEC Comforting Cast Spray** is a suspended powder formulated especially for cast wearer. This formula will prevent skin discomfort by giving a cooling sensation, eliminating odor and displacing water inside the cast.

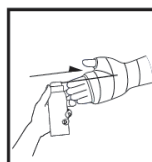
**Directions:** Shake well before use. Insert the tube into the nozzle. Insert the tube into an affected area and spray liberally. Can be used as often as needed or every 4-6 hours. Do not spray on and open wound.



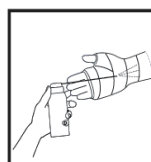
Shake well.



Insert the tube into the nozzle.



Insert the tube into the affected area.



Spray.





## MEDTEC Icy Spray

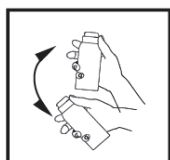
- Muscle Pain Relief
- For sprains and muscle aches

**MEDTEC Icy Spray** gives an instant blast of cold to relieve pain. It is ideal for sport first aid treatment. Spray around injuries such as sprains and aches. MEDTEC Icy spray can be applied during exercise or immediately afterward.

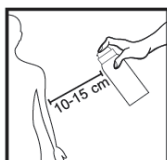
**Ingredients:** N-pentane, N-butane, Isobutane, Propane, Isopropanol, Menthol

**Indications:** Use as a first aid measure for muscle injuries. For relieving bruises and sprains.

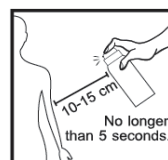
**Directions:** Shake well before use. Hold the can 10-15cm away from the skin. **Continuously spray (no longer than 5 seconds)** on the affected area. Frostbite may occur if the application is continuously sprayed for more than 5 seconds. The application should be repeated every 25-30 minutes within the first 24 hours after the injury. Do not spray on face and open wound.



Shake well.



Hold the can 10-15cm away from the skin.



Spray for no longer than 5 sec.



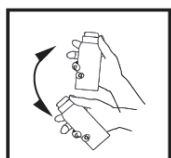
## MEDTEC Cool Max Spray

- Muscle Pain Relief
- Fast & Instant Cooling Sensation
- For sprains and muscle aches

**Ingredient:** N-pentane, N-butane, Isobutane

**Indications:** Use as a first aid measure for muscle injuries. For relieving bruises and sprains.

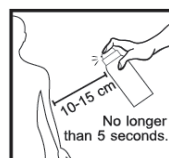
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Shake well.



Hold the can 10-15cm away from the skin.



Spray for no longer than 5 sec.



## MEDTEC Micro Diffusion Nasal Spray

An isotonic normal saline solution that is formulated with natural sea salt. This product use micro-diffusion technology that assists a soft and gentle application. It is recommended for children and adults for the daily cleansing of the nasal airway, particularly in case of dried or obstructed nose.

**Indications:**

For daily hygiene of the nasal airway, for the humidification of the dried nasal mucous membrane, and as a compliment to the treatment of ENT disorders.

**Directions:**

Tilt the head to one side, Insert the nozzle into the nostril. Hold the breath. Push the nozzle allowing the saline solution to flow Inside the nasal cavity. Tilt the head back into an upright position Allowing the substances to come out of the nostril. Wipe off the excess. Repeat the steps to the other side. After use, clean the nozzle with soapy Water. Rinse off with lukewarm water. Air-dry the nozzle.





### MEDTEC Stay Clean Hand Sanitizer

Alcohol 72.4% v/v

**MEDTEC Stay Clean Hand Sanitizing Product** is a hand sanitizer that comprises of ethanol at 72.4% (v/v) concentration and isopropyl methylphenol (IPMP or o-cymen-5-ol) as the main active ingredients. This combination reduce the amount of germs causing disease. Highly efficient with excellent safety profile.

**MEDTEC Stay Clean Hand Sanitizing Product** is formulated to protect and nourish the skin simultaneously. The product is infused with Pentavitin® (Saccharide isomerate), a patented Swiss-made natural extract that continuously protect and tackle skin dryness. Suitable for frequent hand washing and excess use of alcohol-based hand sanitizer.



This product is lightly scented with allergen-free fragrance.



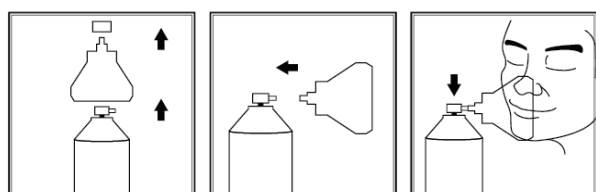
### AWELD Portable Oxygen Inhaler



Portable oxygen for those experiencing shortness of breath during sport, outdoor activities or any occasions that require immediate use of oxygen. AWELD Oxygen Inhaler can be used for oxygen therapy.

#### Directions:

1. Remove the bottle cap and detach the inhalation cap from the bottle.
2. Attach the inhalation cap to the nozzle.
3. Place the inhalation cap over the nose and mouth. Press down the nozzle for 10 seconds while inhaling and release the nozzle while exhaling.
4. Repeat as needed. (8-10 times)



## Notes





Scan me for more info.





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