Always There

Air Liquide

Oyan CLASSIC

Instructions for Use

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Contents:

The Integrated Regulator-Valve is manufactured by Air Liquide Medical Systems, 6 Rue Georges Besse 92182 Antony France and is supplied as part of the OYAN™ range of products in Australia by:

Air Liquide Australia Limited
Level 12, 600 St. Kilda Road Melbourne VIC 3004
For queries: 1300 733 011
For emergencies: 1800 812 588

Disclaimer of Liability:
Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

OYAN™ are ready-to-use medical oxygen cylinders complete with an integrated regulator-valve and flow meter which is intended to supply regulated medical oxygen to a patient or another medical device. They deliver medical oxygen either through a flow-regulated barbed outlet or a fixed flow-sleeved outlet.

Key features:

- Easy to use and ergonomic for a quick and easy set-up
- Eliminates the cost of additional equipment (separate regulators and flowmeters)
- Dedicated carry handle
- Bed/wall/trolley system minimising WHS issues for 2.8L
- Available in small sizes for ambulatory needs and large size for backup requirements

Technical Specifications

- **Settled pressure:** 200 bar
- **Flow outlet 12 settings:** 0,0.5,1,2,3,4,5,6,7,9,12,15L/min
- **Low pressure outlet:** Connector according to local standard
  3.6 to 5.5 bar - Flow at outlet ≥ 40L/min
- **Storage & usage temperature:** Not below 0°C or above 50°C
- **Control & Maintenance:** Ensured by Air Liquide Australia 133955
- **ARTG Reference:**

Product Code	Product Description	Cylinder Water Capacity (L)	Gas Content (m^3)	Top Diameter (mm)	Cylinder Diameter (mm)	Length (mm)	Full weight (kg)
102372	Oyan 2.8L	2.8	0.59	115	102	680	4.9
102373	Oyan 5L	5	1.00	115	140	650	8.2
102374	Oyan 20L	20	4.10	115	204	1160	32.2

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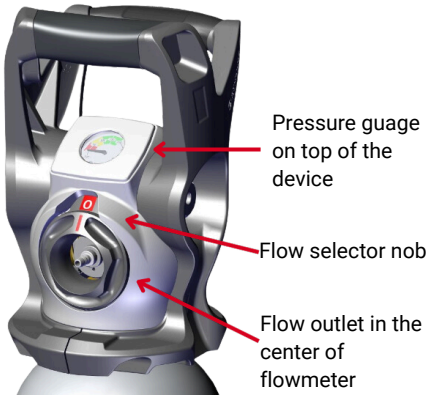
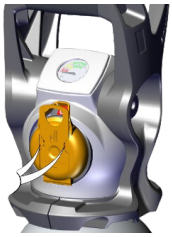
1.**Inspection checks to be performed by the user before initial use**

a. Check that the cylinder is clean and free from oil and grease.	If any deviation is observed do not use the cylinder and contact Air Liquide Australia: For queries: 1300 733 011 For emergencies: 1800 812 588
b. Check the orange outlet protective caps are in place. Fig.1 Flow outlet seal Fig.2 Pressure outlet seal	 FIG.1  FIG.2
c. Check that the valve is in the red “O” OFF position (refer Fig 3). d. Check that the pressure gauge shows the cylinder is fully charged and check that the pressure indicated on the gauge matches the pressure on the product label. If the cylinder has already been used, check the pressure gauge to ensure there is sufficient medical oxygen left. The coloured sections are an indication of the available contents: i. Green: Sufficient contents ii. Yellow: Contents are getting low iii. Red: Contents are low. e. Discontinue use and replace with a full one. Check the product label to ensure that the gas matches the application. Read the operating instructions provided on the label fitted to the side of the shroud (refer Fig 3)	 FIG.3

2.Operational information

2.1 Connecting to the barbed outlet

 FIG.4	a.Remove the orange cap by pulling down on the ring and connect the oxygen tubing to the barbed outlet (refer Fig 4 item #3 and Fig 5).
 FIG.5	b.Select the flow rate, “0.5”, “1”, ‘2”, “3”, “4”, “5”, “6”, “7”, “9”, “12” or “15” litres per minute (“l/min”) by turning the flow selector knob (2) at the front of the valve clockwise. A “click” will be heard when each flow rate is selected until the desired flow rate is reached.
Ensure that the flow rate position is not in-between any available flow rate position as this may interrupt the supply of medical oxygen.	c. Check that medical oxygen is flowing from the barbed outlet before administering to the patient.
 FIG.6	d. Turn OFF the valve anti-clockwise to show the red “O” in the portal.
 FIG.7	e. When required remove the oxygen tube from the barbed outlet and replace the cap.

2.2 Connecting to the sleeved outlet:

FIG.8

a. Remove the orange cap by pulling on the ring.
b. First have the desired equipment ready for connection to the sleeved outlet (i.e. hose to ventilator or suction equipment). Connect the hose wheel to the sleeved outlet and ensure the fitting is sufficiently hand tightened (refer Fig.5) Medical oxygen is now available.

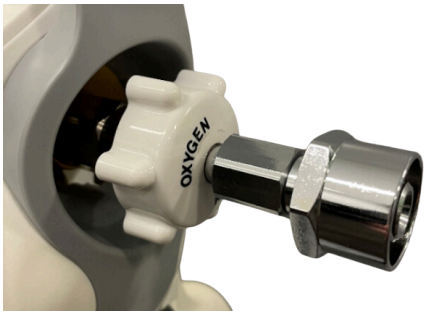
FIG.9

c. Use the attached equipment as required for proper dispensation of medical oxygen. The outlet pressure flow rate of the sleeved index outlet is at least 50 l/min whilst the contents are within the “yellow” and “green” coloured sections of the pressure gauge.
d. Ensure the cylinder is stable or strapped to prevent the cylinder falling over (refer also to Fig.10)

FIG.10

e. When therapy has concluded, it is recommended to disconnect the device or flexible hose from the sleeved outlet to prevent any leak or unwanted use and then replace the cap.
f. If using the bed hanger (Fig.10) then ensure the hose assembly or equipment connected to the sleeved outlet will not interfere or be damaged
g. Never connect a mask from the sleeved outlet directly to a patient

2.2 Connecting to the sleeved outlet:

 FIG.11	h. When attaching a suction unit to a 20L cylinder, the use of a small extension piece will be required (refer Fig.11).

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3.Troubleshooting guide

Fault/concern	Possible cause	Response to be taken
No flow of gas	Cylinder is empty	Check that the flow selector knob or any attached device has not been left ON. If contents have been depleted then place the unit in the empty cylinder storage area and replace with a full one.If it's a first time use, then check the pressure gauge and if the gauge is in the red section immediately contact customer service and quarantine the unit for investigation by an Air Liquide Australia representative.
	Outlet nozzle may be blocked	DO NOT attempt to clear a blocked nozzle. Immediately contact customer service and quarantine the unit for investigation by an Air Liquide Australia representative.
	Flow selector in-between settings	View the top of the flow selector knob to ensure the flow settingis visible through the viewing port. If the number is not clearly visible then rotate the knob till the required flow is clearly visible and clicks into place.
	Blocked port in flow selector	Immediately contact customer service and quarantine the unit for investigation by an Air Liquide Australia representative.

3.Troubleshooting guide

Fault/concern	Possible cause	Response to be taken
Cannot connect to the Outlet	Cannula hose diameter is the wrong size	Check that the tubing fits firmly over the barbed outlet. If not then replace the tubing.
	Damaged sleeved outlet	Check that the thread is not damaged to either the sleeved outlet or the device it's being connected to.Check that the outer rim of the sleeved outlet has not been damaged and is circular in shape. Check the hand wheel engages properly.If a sleeved outlet is damaged then contact customer service and quarantine the unit for investigation by an Air Liquide Australia representative.
Hissing noise	Gas leak	First check to make sure that the flow selector knob has not been left ON. Do not attempt to stop a leak. Turn the valve OFF and immediately contact customer service and quarantine the unit for investigation by an Air Liquide Australia representative.
Damage to equipment (pressure gauge, flow selector, nozzle outlet, ..)	Impact	Do not use the device and contact Air Liquide Australia emergency hotline 1800 812 588

SAFETY INFORMATION

- Read the product label and SDS before using.
- Do not use grease or oil or any oil-based product.
- Do not use or store near a naked flame, a source of ignition or combustible material.
- Do not smoke nearby and use appropriate signage.
- Use and store in a well-ventilated area and store in a secure and upright position.
- Do not connect any device to the fill port located at the rear of the integrated regulator valve. Refer to the warning label located near the fill port.
- Only attach fittings and accessories to the integrated regulator valve that are compatible with medical oxygen.
- Do not store OYAN™ units in any area where insect infestation may occur.
- Do not place objects inside the nozzles and ensure proper protection of the outlet nozzles when not in use by using the plastic caps as supplied.
- Flow inaccuracies can be caused by back-pressure downstream of the integrated regulator-valve.
- Any repair, service or modification shall only be carried out by an authorised agent.
- Visit the website to download the information to use and watch the video

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OUR TEAM IS HERE TO HELP
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