

Protecting Patients & Supporting Healthcare Professionals

Our established portfolio of medical gases is used daily, notably in emergency rooms, operating theatres and intensive care units to protect vulnerable lives.

We pursue the clinical developments of these gases for new indications and aim to provide healthcare professionals with solutions for their patients in the continuum of care from hospital to home.

For more information on the hazard labels for the gases, please refer to:

<https://industry.airliquide.sg/resources/safety-data-sheets-sds>



SCAN ME



Air Liquide, the world leader in gases, technologies and services for Industry and Health.

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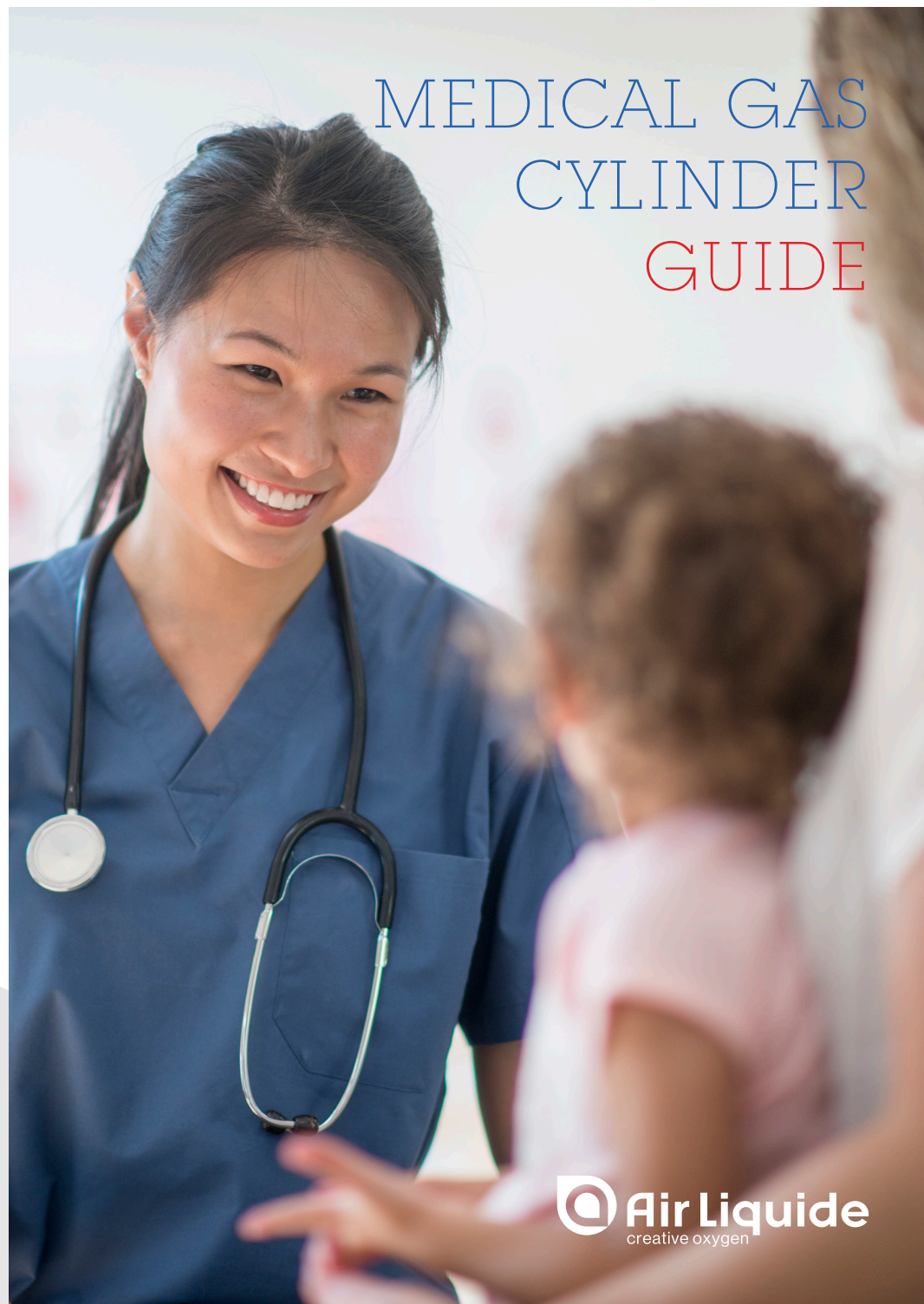
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Disclaimer: Information in this brochure is intended to serve as a reference for use in Singapore only. It is not meant to be used, nor should it be used, to diagnose or treat any medical conditions. References are provided to the best of our knowledge for informational purposes only.

MEDICAL GAS CYLINDER GUIDE



Provides healthcare professionals with the industry's safest and most cost effective medical oxygen delivery system

TAKEO™ is one of the world's first digital integrated cylinders.

TAKEO™ combines a built-in pressure regulator, an ergonomic cap and a patented digital gauge, TIPI™ (Time-Intelligent Pressure Indicator).

TIPI™ gives user direct information on a fully automated display screen and helps to better manage oxygen administration.

Key Benefits:

- **Greater patient safety** - reducing the risk of oxygen supply disruption, especially during patient transportation.
- **Improved ease of use** - easier access and manipulation of flow selector.
- **Cost efficiency** - better utilization of gas contents and lesser wastage with the direct & exact information.

TAKEO



During use:
display indicates
remaining TIME at
current flow rate.



When not in use:
display indicates
remaining VOLUME
of oxygen in litres.

When the remaining oxygen decreases,
2 levels of alerts exist

**SAFETY
FIRST**



- 1st level: ¼ content remaining**
- 3 beeps can be heard
 - Remaining time of use is still displayed
 - Continuous flashing of the bar graph



- 2nd level: less than 15 mins remaining at current flow rate**
- 2 beeps can be heard
 - 4 dashes are displayed
 - Continuous flashing of hourglass and dashes

Medical Gas Selection

CYLINDER WEIGHT, SIZE & DIMENSION

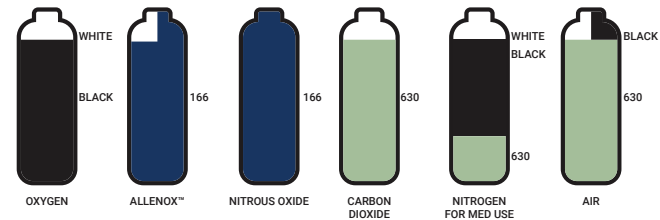
GAS TYPE	WATER CAPACITY (LITRE)	CYLINDER CAPACITY	GAS PRESSURE	APPROX. CYLINDER EMPTY WEIGHT (KG)	APPROX. CYLINDER FULL WEIGHT (KG)	DIMENSION DIA x L (CM)	VALVE CONNECTION
Oxygen	2.7	0.4m³	150	4.7	5.2	11 x 56	Pin-Index
	4.8	0.8m³	150	7.2	8.3	11 x 86	Pin-Index
	20.7	3.5m³	150	26.7	31.3	16 x 127	Handwheel
	47.0	7.4m³	150	63.6	73.3	23 x 153	Handwheel
	47.0	9.8m³	200	64.5	77.3	23 x 165	Handwheel
TAKEO™	2.0	0.4m³	200	3.6	4.2	12 x 54	Integrated
	5.0	1.0m³	200	6.3	7.7	14 x 75	Integrated
	11.0	2.3m³	200	15.1	18.2	18 x 90	Integrated
Air	4.8	0.7m³	150	7.2	8.0	11 x 86	Pin - Index
	47.0	6.8m³	150	63.6	71.7	23 x 153	Handwheel
Allenox™ (50% O₂ / 50% N₂O)	2.7	600L	-	4.7	6.5	11 x 56	Pin-Index
	10.0	2,000L	-	15.8	22.5	14 x 92	
	47.0	10,000L	-	62.0	93.5	23 x 153	
Nitrous Oxide	2.7	950L	83	4.7	6.5	11 x 56	Pin - Index
	4.8	1,700L	83	7.2	10.4	11 x 86	Pin-Index
	47.0	17,000L	83	62.5	94.0	23 x 153	Handwheel
Carbon Dioxide	2.7	1.8kg	-	4.7	6.5	11 x 56	Pin-Index
	4.8	3.2kg	-	7.2	10.4	11 x 86	
	47.0	31kg	-	64.0	95.0	23 x 153	
Nitrogen	47.0	6.8m³	150	62.5	70.3	23 x 153	Handwheel

GAS SPECIFICATION

GAS TYPE	PURITY	H₂O	O₂	CO	CO₂
Oxygen	≥ 99.5%	≤ 67 ppm		≤ 5 ppm	≤ 300 ppm
Air		< 50 ppm	21 +/- 0.5%	< 5 ppm	< 500 ppm
Nitrous Oxide	≥ 98%	≤ 67 ppm		≤ 5 ppm	≤ 300 ppm
Nitrogen	99.5%	≤ 67 ppm	≤ 50 ppm		
Carbon Dioxide	99.5%	< 250 ppm			

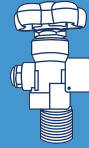
CO - Carbon Monoxide | CO₂ - Carbon Dioxide | H₂O - Moisture | O₂ - Oxygen

Cylinder Color Identification

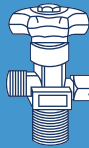


Colour code of Air Liquide Singapore cylinders shown correspond with Singapore Standards SS152. The colour codes are a guide only, the full chemical name being shown on cylinder shoulder labels.

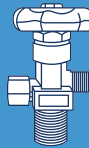
Valves Specification



Handwheel - Chromed
5/8" BSPT
F/RH
Side Outlet, BS 3
Oxygen / Air



Handwheel - Chromed
0.860" 14 TPI
M/RH
Side Outlet, BS 8
Nitrogen



Handwheel - Chromed
1 1/16" 20 TPI
M/RH
Side Outlet, BS 13
Nitrous Oxide



Pin Index - Chromed
Pin/Hole position differ
from each gas type