

Y O U R C R Y O G E N I C P O L E S T A R

MADE IN ITALY



OxyLight

LIQUID OXYGEN
CRYOGENIC
PORTABLE
TANK FOR
MEDICAL USE

Cryogenic tank for medical liquid oxygen designed for maximum reliability and ease of use.



CND/EMDN: Z120309

RDM:
OXYLIGHT 2617986;
OXYLIGHT HF 2619151

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LIQUID OXYGEN CRYOGENIC PORTABLE TANK FOR MEDICAL USE

Technologically advanced medical device. Italian design, manufactured to meet all operators and end user's needs.

Designed to be fully compatible with the main cryogenic units on the market today: BOTTOM FILL/ SIDE FILL.

Thanks to OxyLight, the patient can correctly follow the treatment prescribed by the specialist.

- 1. Digital Oxygen level indicator (capacitive type)
- 2. Flow control knob
- 3. Oxygen outlet connection
- 4. Vent valve
- 5. Shoulder strap
- 6. Moisture absorbing pad
- 7. Dynamometric level gauge

OPTIONS

- Backpack (option)

CUSTOMIZATIONS

- Customisable QDV
- Dynamometric level gauge or capacitive level indicator for easy to be read



THE EQUIPMENT IS COMPLIANT AND CERTIFIED IN ACCORDANCE WITH CURRENT REGULATIONS

Directive 2010/35/EU (r)	Directive 2008/68/CE – (ADR)	EU 2017/745 Medical Device Regulation
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TECHNICAL SPECIFICATION

Model	OXYLIGHT	OXYLIGHT HF	OXYLIGHT PEDIATRIC
Height (mm)	355	355	355
Diameter (mm)	150	150	150
Delivered flows adult version (SLPM)	0.25/0.5/0.75/1/1.5/2/2.5/3/4/5/6	0.5/1/2/2.5/3/4/6/8/10/12/15	0.05/0.1/0.2/0.3/0.4/0.5/0.75/1/1.25/1.5/2
Flowmeter accuracy ⁽¹⁾	Flows ≤ 0.25 slpm ±0.1 slpm; Flow = 0.25 slpm to 1,5 slpm ±30%; Flow = 2 slpm ±20% Flows ≥ 2,5 slpm greater value between ±0,5 and 10%		
Working pressure barg (psig)	1.5 (22)	1.5 (22)	1.5 (22)
Primary valve set barg (psig)	1.5 (22)	1.5 (22)	1.5 (22)
Safety valve set barg (psig)	2.07 (30)	2.07 (30)	2.07 (30)
PSMA barg (psig)	2.07 (30)	2.07 (30)	2.07 (30)
Hours of autonomy at 2 slpm flow ⁽²⁾	6,7	6,7	6,7
Typical evaporation rate (NER) (g/day)	550	550	550
Filling time (min) ⁽³⁾	1 – 2	1 – 2	1 – 2
Empty weight (kg) ⁽⁴⁾	2.7	2.75	2.75
Full weight (kg with saturated oxygen at 1.5 barg) ⁽⁵⁾	3.9	3.95	3.95
Geometric capacity (Liters)	1.17	1.17	1.17
Net capacity (Liters)	1.14	1.14	1.14

STANDARD AND HIGH FLOW PORTABLE UNITS CAN BE CONFIGURED WITH ELECTRONIC OR DYNAMOMETRIC LEVEL INDICATOR. PEDIATRIC UNITS ARE AVAILABLE ONLY WITH ELECTRONIC LEVEL INDICATOR.

⁽¹⁾ Tolerance of the flows are in the most restrictive indicated in EN ISO 18777 and EN ISO 10524. Indication of flow accuracy given in the table in the maintenance manual.

⁽²⁾ REMARK: the estimated duration are approximate and highly affected by the following conditions of use: environmental temperature of 293 K (-20°C), efficient equipment with evaporation rate within the limits fixed by the manufacturer. It must be filled correctly and kept in a fixed position without been moved during the therapy. Under different condition the results may differ significantly from what is indicated.

⁽³⁾ The filling duration depends on the stationary unit pressure and on the portable unit temperature.

⁽⁴⁾ The value is related to Bottom Fill PB Dynamometric model.

⁽⁵⁾ The full weight, when measured immediately after the filling, may vary depending on the liquid oxygen density which is affected by the saturation conditions of the stationary tank.

ASSISTANCE

HVM ensures fast and complete assistance service thanks to an assorted spare parts stock. Various devices and accessories are available on demand.



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