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

MADE IN ITALY

HVM

OXYBLU

LIQUID OXYGEN CRYOGENIC TANK FOR MEDICAL USE

Reliable Medical
Oxygen Delivery
for Home Care
Respiratory Therapy.
Safe. Stable. Certified.

CAPACITIES RANGING:

- L 10
- L 21
- L 31
- L 37
- L 41
- L 45

5 YEAR VACUUM WARRANTY

CE 0425

ICIM UNI CEI EN ISO 13485:2021 CERTIFIED MANAGEMENT SYSTEM

ICIM UNI EN ISO 9001:2015 CERTIFIED MANAGEMENT SYSTEM

CND/EMDN: Z120309
RDM: 2619164

OxyBlu LIQUID OXYGEN CRYOGENIC TANK FOR MEDICAL USE

HVM's cryogenic stationary tanks are engineered to ensure a **safe and consistent flow of medical oxygen**, specifically designed for **home care respiratory therapy**.

KEY FEATURES & BENEFITS

➔ Universal compatibility: it seamlessly integrates with other international brands for flexible system configurations.

FILLING OPTIONS:

• TOP FILL; • DUAL FILL; • SIDE FILL

➔ Wide flowrate range adjustable from 0.25 to 15 lpm (0 to 2 lpm for pediatric version)

➔ Multiple choice for Quick Disconnect Valve (QDV)

➔ Pressure Gauge as a standard supply to enables fast and accurate monitoring during both filling and use

➔ Built with strong and steady components to withstand frequent loading and unloading between supply sites and patient homes

➔ Telemetry predisposition and supply of HVM monitoring kit

➔ Exclusive Condensate Bottle Design: ergonomical for easy extraction by patients, enhancing independence and comfort

➔ Differential level gauge

NEW!

HVM proudly offers the only **MDR CERTIFIED PEDIATRIC** version. This specialized model supports the unique needs of younger patients with the same reliability and safety standards.

OxyBlu roller base

Light material roller base for handling. Condensate collector for roller base, usefull to protect the patient house floor in case of HIGH FLOW delivery.

CERTIFICATIONS

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

TECHNICAL SPECIFICATION

Nominal capacity (L)	10	21	31	37	41	45
Height (mm)	590	699	823	898	948	998
Diameter (mm)	375	375	375	375	375	375
Delivered flows adult version (SLPM)	0.25/0.5/0.75/1/ 1.5/2/2.5/3/4/5/ 6/8/10/12/15	0.25/0.5/0.75/1/ 1.5/2/2.5/3/4/5/ 6/8/10/12/15	0.25/0.5/0.75/1/ 1.5/2/2.5/3/4/5/ 6/8/10/12/15	0.25/0.5/0.75/1/ 1.5/2/2.5/3/4/5/ 6/8/10/12/15	0.25/0.5/0.75/1/ 1.5/2/2.5/3/4/5/ 6/8/10/12/15	0.25/0.5/0.75/1/ 1.5/2/2.5/3/4/5/ 6/8/10/12/15
Delivered flows Neonatal pediatric version (SLPM)	0.05/0.1/0.2 0.3/0.4/0.5/0.75 1/1.25/1.5/2	0.05/0.1/0.2 0.3/0.4/0.5/0.75 1/1.25/1.5/2	0.05/0.1/0.2 0.3/0.4/0.5/0.75 1/1.25/1.5/2	0.05/0.1/0.2 0.3/0.4/0.5/0.75 1/1.25/1.5/2	0.05/0.1/0.2 0.3/0.4/0.5/0.75 1/1.25/1.5/2	0.05/0.1/0.2 0.3/0.4/0.5/0.75 1/1.25/1.5/2
Flowmeter accuracy [1]	*For flows<0.25 SLPM range ±0.1 SLPM; For flows between 0.25 SLPM and 1.5 SLPM ±30%; For flows=2 SLPM ±20%; For flows≥2.5 SLPM the greater of ±0.5 SLPM and 10%*					
Primary valve set barg (psig)	1.62 (23.5)	1.62 (23.5)	1.62 (23.5)	1.62 (23.5)	1.62 (23.5)	1.62 (23.5)
Safety valve set barg (psig)	2.07 (30)	2.07 (30)	2.07 (30)	2.07 (30)	2.07 (30)	2.07 (30)
Operating pressure barg (psig)	1.38 (20)	1.38 (20)	1.38 (20)	1.38 (20)	1.38 (20)	1.38 (20)
Filling time (min) [2]	2-3	2.5-6	3-7	3.5-8	4.9-10	4.5-10
Empty weight (kg)	19.4	20.3	23.7	26.0	27.5	29.0
Weight when full (Saturated oxygen kg at 1.5 bar)	30.4	43.3	57.6	66.4	72.1	78.2
Net capacity (litres) (typical)	10.1	21.1	31.1	37.1	41.1	45.1

MAXIMUM OPERATING TIME (IN DAYS)[3] • Flow values that can be set on the Base Unit

Nominal volume	0.25[4]	0.50	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	15.0
10	14.12	11.59	7.72	5.79	4.63	3.86	2.90	2.32	1.93	1.45	1.16	0.97	0.72	0.58	0.48	0.39
21	29.50	24.21	16.14	12.10	9.68	8.07	6.05	4.84	4.03	3.03	2.42	2.02	1.51	1.21	1.01	0.81
31	43.48	35.68	23.79	17.84	14.27	11.89	8.92	7.14	5.95	4.46	3.57	2.97	2.23	1.78	1.49	1.19
37	51.87	42.56	28.37	21.28	17.02	14.19	10.64	8.51	7.09	5.32	4.26	3.55	2.66	2.13	1.77	1.42
41	57.47	47.15	31.43	23.58	18.86	15.72	11.79	9.43	7.86	5.89	4.72	3.93	2.95	2.36	1.96	1.57
45	63.06	51.74	34.49	25.87	20.70	17.25	12.93	10.35	8.62	6.47	5.17	4.31	3.23	2.59	2.16	1.72

[1] *Flow tolerances are restrictive to those given in EN ISO 18777 and EN ISO 10524.*
[2] *The filling time depends on the source tank pressure and distance, OXYBLU model temperature. The a.m. data refers to a pressure between 2.5 and 3.5 bar.*
[3] *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 significatly from what is indicated.*
[4] *Duration is affected by the PRV venting due to the evaporation rate.*

ASSISTANCE

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

5 YEAR VACUUM WARRANTY ★★★★★

HVM | Via Teresa Mattei, 10 - 57121 Livorno (LI), Italy • +39 0586 867485 • info@hvm-li.com • hvm-li.com

MADE IN ITALY

OBLO2EN Rev. 14/11/2025