

# CRIOLIQ 6 e CRIOGAS 6

(LOW PRESSURE CRYOGENIC DEWARS)

*CRIOLIQ* :Liquid withdrawal dewar, *CRIOGAS* :Gas withdrawal dewar

## TECHNICAL SPECIFICATION :

- High performance : low evaporation rate, maximum dewar reliability and durability
- Stainless steel vessel designed to provide long life, ideal for liquid nitrogen, oxygen and argon storage and transport
- Lowest evaporation rate thanks to High vacuum and thermal insulation
- Supplied with pressure building circuit and regulator kit fitted as standard
- Designed and built according to ADR and TPED directives. Delivered with the relative declaration of conformity.
- Inner vessel internally accessible for easy inspection and cleaning
- Max 10 m<sup>3</sup>/h gas withdrawal with easy operating globe valve (CRIOGAS Model)

## OPTIONAL DEVICES :

- Pressure indicator with 4 ÷ 20 mA transmitter
- Barton differential pressure level indicator
- Level indicator with GSM device

## ACCESSORIES :

- Handling trolley
- Filling/use cryogenic hose with security valve
- Outlet connection by client requirements

## CUSTOMIZATION :

- Our cryogenic cylinders can have different volumes from the standard and they can be personalized on specific client requirements

## ASSISTANCE :

HVM ensures fast and complete service thanks to an assorted spare parts stock in Livorno, all the spare parts are also available for sale.

## WARRANTY :

Standard : the one year-old guarantee covers all the mechanical parts and the vacuum under normal used condition

Extension : is possible to extend the vacuum guarantee till 5 year-old



## CRIOLIQ 6 e CRIOGAS 6

Specifications	Ext. diameter	Max operative pressure	VS1* calibration	VS2 calibration
<b>CRIOLIQ6</b>	500 mm	6 bar	1 ÷ 6 bar	6 bar
<b>CRIOGAS6</b>	500 mm	6 bar	1 ÷ 6 bar	6 bar

\* depending on client requirements

### Technical Specifications

Model	Capacity					
	220	200	180	160	120	60
<b>CRIOLIQ 6</b>						
Overall height (mm)	1870	1740	1610	1480	1255	860
Weight (empty) (Kg)	112	105	98	92	78	58
Total weight - Nitrogen (Kg)	289	266	243	221	175	106
Total weight – Oxygen (Kg)	362	333	303	274	215	126
Total weight - Argon (Kg)	418	383	348	314	245	141
Capacity (litri)	224.0	203.6	183.3	162.9	122.2	61.1
Net Capacity (litri)	219.5	199.6	179.6	159.7	119.8	59.9

Model	Capacity					
	220	200	180	160	120	60
<b>CRIOGAS 6</b>						
Overall height (mm)	1870	1740	1610	1480	1255	860
Weight (empty) (Kg)	120	113	106	99	83	62
Total weight - Nitrogen (Kg)	297	274	251	228	180	110
Total weight – Oxygen (Kg)	370	341	311	281	220	130
Total weight - Argon (Kg)	426	391	356	321	250	145
Capacity (litri)	224.0	203.6	183.3	162.9	122.2	61.1
Net Capacity (litri)	219.5	199.6	179.6	159.7	119.8	59.9
Max. gas withdrawal (m <sup>3</sup> /h)	10	10	9	8	5	2

### NORMAL EVAPORATION RATE (%) \*\*

Nitrogen	1.7	1.75	1.8	1.95	2.1	4.4
Oxygen	1.1	1.1	1.2	1.3	1.4	2.9
Argon	1.2	1.2	1.3	1.4	1.5	3.1

\*\* Test performed at the saturation pressure of 0 bar at room temperature.

HVM can make changes, as a result of technical improvements, without notice.

High Vacuum Maintenance S.r.l.

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