

CRIOLIQ 16 e CRIOGAS 16

(MEDIUM 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, argon and CO₂ 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 m³/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



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Specifications	Ext. diameter	Max operative pressure	VS1* calibration	VS2 calibration
CRIOLIQ16	500 mm	16 barg	1 ÷ 16 barg	16 barg
CRIOGAS16	500 mm	16 barg	1 ÷ 16 barg	16 barg

* depending on client requirements

Technical Specifications

Model	Capacity					
	220	200	180	160	120	60
CRIOLIQ 16						
Overall height (mm)	1870	1740	1610	1480	1255	860
Weight (empty) (Kg)	131	122	113	105	90	66
Total weight - Nitrogen (Kg)	307	282	257	233	186	114
Total weight - Oxygen (Kg)	379	347	316	286	225	133
Total weight - Argon (Kg)	433	397	360	326	255	148
Capacity (litri)	221.7	201.5	181.3	161.1	120.6	60.0
Net Capacity (litri)	217.2	197.5	177.7	158.9	118.2	58.8

Model	Capacity					
	220	200	180	160	120	60
CRIOGAS 16						
Overall height (mm)	1870	1740	1610	1480	1255	860
Weight (empty) (Kg)	139	130	121	113	98	74
Total weight - Nitrogen (Kg)	315	290	265	241	194	120
Total weight - Oxygen (Kg)	387	355	324	294	233	139
Total weight - Argon (Kg)	441	405	368	334	263	154
Capacity (litri)	221.7	201.5	181.3	161.1	120.6	60.0
Net Capacity (litri)	217.2	197.5	177.7	158.9	118.2	58.8
Max. gas withdrawal (m ³ /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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