

# CRIOLOGY 4

(LOW PRESSURE WHEELED CRYOGENIC DEWAR)

## TECHNICAL SPECIFICATION :

- Dewar with liquid or gas withdrawal.
- 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
- Tank with No. 4 castors (No. 2 with brakes) for easy movement
- 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

## OPTIONAL DEVICES :

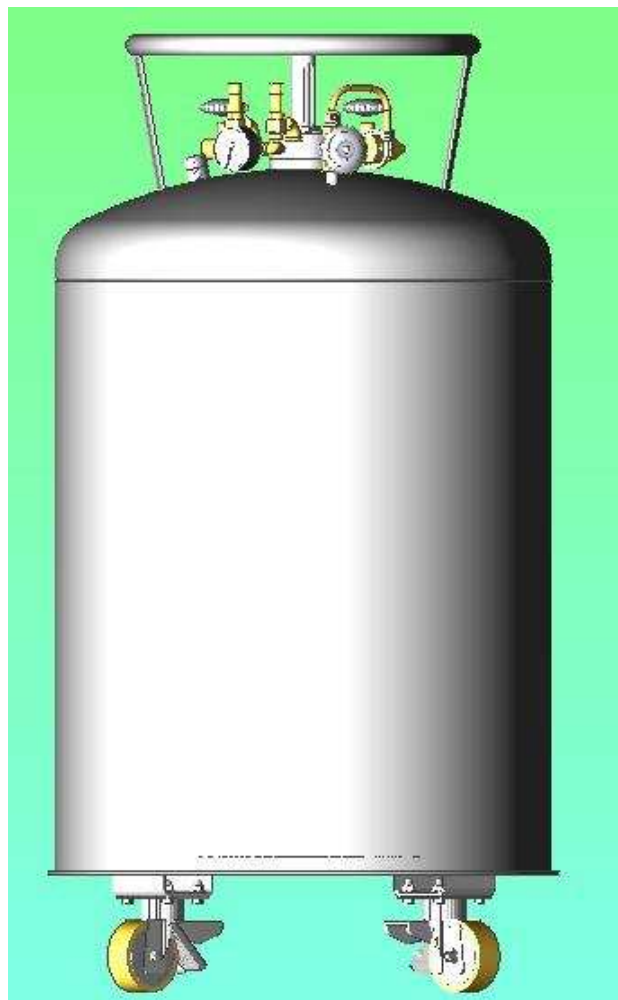
- Gas withdrawal evaporating system
- Pressure indicator with 4 ÷ 20 mA transmitter
- Barton differential pressure level indicator
- Level indicator with GSM device

## 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



CRIOLOGY 4	Ext. diameter	Max operative pressure	VS1* calibration	VS2 calibration
Specifications	700 mm	4 bar	1 ÷ 4 bar	4 bar

\* depending on client requirements

## CRIOLOGY 4

### Technical Specifications

Model	Capacity				
	220	240	260	280	300
<i>Overall height (mm)</i>	1340	1400	1460	1520	1580
<i>Weight (empty) (Kg)</i>	147	152	156	161	165
<i>Total weight - Nitrogen (Kg)</i>	322	343	363	383	404
<i>Total weight – Oxygen (Kg)</i>	394	421	448	475	502
<i>Total weight - Argon (Kg)</i>	449	481	512	544	576
<i>Capacity (litri)</i>	221	241	261	281	301
<i>Net Capacity (litri)</i>	216.6	236.2	255.8	275.4	295.0

NORMAL EVAPORATION RATE (%) **					
<i>Nitrogen</i>	1.8	1.7	1.6	1.5	1.5
<i>Oxygen</i>	1.2	1.1	1.1	1.0	1.0
<i>Argon</i>	1.3	1.2	1.1	1.1	1.0

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

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

#### 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.

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