



ISO 9001:2008 Certified Company



**IndianOil**

**Indian Oil Corporation Limited**

**IBP Division**

Business Group (Cryogenics)

**RUGGED AND RELIABLE**



**SUPER INSULATED  
CRYOVESSEL**

## CRYOVESSEL - HORIZONTAL SERIES - SPECIFICATIONS

**Indian Oil Corporation Limited (IOCL)**, IBP Division's Cryovessel is India's most efficient cryogenic vessel as it has the lowest evaporation loss rate due to super insulation and high vacuum. Our considerable experience in this field ensures trouble free service.

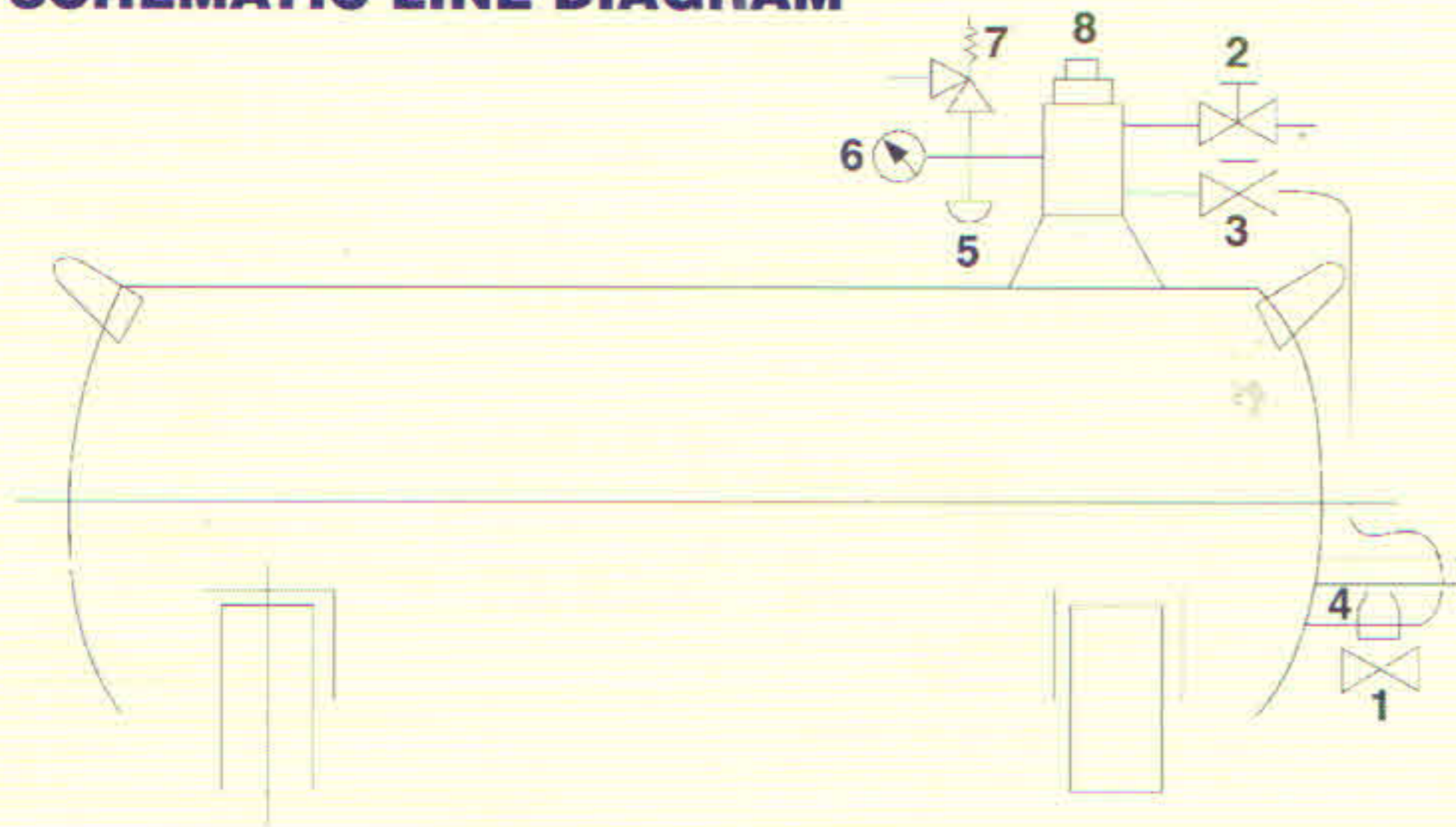
**Applications :** The self-pressurizing Cryovessel is ideally suited for storage and distribution of cryogenic gases like liquid Nitrogen/Argon and form an important accessory in several industrial, research and biological applications like cryosurgery, shrink fitting, high vacuum systems and environmental test chambers. For Artificial Insemination Centers it provides a reliable storage and distribution facility.

CRYOVESSEL					
Sr.No	Model	HLP 200	HLP 300	HLP 500	HLP 950
1.	Net capacity in litres	200	300	500	950
2.	Gross capacity in litres	228	330	550	997
3.	Overall length in mm	1635	2200	1880	2500
4.	Empty weight in kgs.	180	210	320	785
5.	Outer diameter in mm	650	650	900	1100
6.	Full weight in kgs. for LN <sub>2</sub>	341	452	724	1552
7.	Pressure (MAWP) Kg./cm <sup>2</sup> (g)	3	3	3	3
8.	Static evaporation loss rate per day for LN <sub>2</sub> as %	2.8	2.2	1.8	1.2
9.	Material of construction for Inner and Outer	SS304	SS304	SS304S	S304/CS

**Notes :** 1. Specifications subject to change without notice in view of continuous improvement in design.  
2. Static evaporation loss rate may vary according to atmospheric conditions.

**Features :** Pressure building regulator for automatic pressure regulation at preset level. ● Dual pressure relief valves / burst disc fitted for extra protection. ● Easy to use dip stick for level indication available upto 500 litre capacity. ● Differential pressure gauge for level indication available for 950 litre capacity. For other capacities available on request. ● Designed to suit Indian road conditions. ● For Oxygen service, containers available on request.

### SCHEMATIC LINE DIAGRAM



#### HLP - 200 / 300 / 500

1. Liquid in/out valve.
2. Vent cum overflow valve.
3. Pressure building valve.
4. Pressure regulator.
5. Bursting disc.
6. Pressure gauge.
7. Pressure relief valve.
8. Gravity filling port.



### Indian Oil Corporation Limited

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