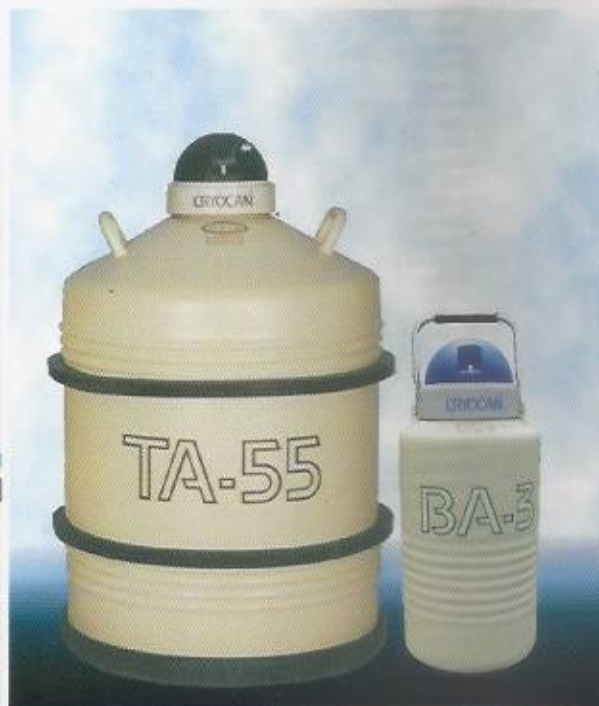
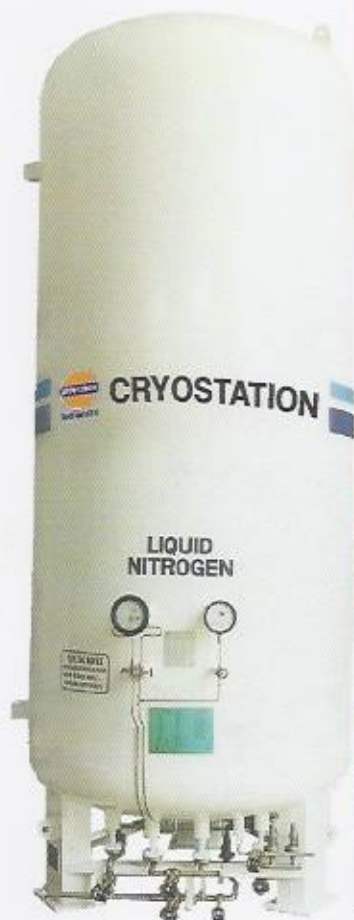




ISO 9001:2008 Certified Company



CRYOCAN®

A synonym of cryogenic containers



IndianOil

Indian Oil Corporation Limited

IBP Division, Business Group Cryogenics



Indian Oil Corporation (IOC), IBP Division, Business Group Cryogenics is the largest manufacturer of cryogenic containers in the country and third largest in the world. Company has contributed in success of white revolution by manufacturing and supplying lakhs of **CRYOCAN**[®]s. Government Animal Husbandry Departments & Live Stock Development Boards of various states, Milk Producers Unions, National Dairy Development Board, NGOs, Bhabha Atomic Research Center, Space Application Center, Center for Advanced Technology, Medical Research Institutes, Cancer Research Centers, Infertility Clinics and Engineering Industry are few of our prestigious customers.

IOC (IBP Division) has grown leaps and bounds in Industrial Containers called "CRYOVESSEL" to meet the growing demand of Gas Industry, Animal Husbandry, Steel & other industries.

Company exports cryogenic containers to developed as well as developing countries, world over.

Portable
door to door
insemination



**LIQUID NITROGEN
TRANSPORTATION**

BULK STORAGE

INFERTILITY CLINICS

CELL IMMUNOLOGY

**LOW TEMPERATURE
METAL ANALYSIS**

STEM CELLS

BULL SEMEN PRESERVATION

SHRINKFITTING

**VACCINE
PRESERVATION**

**OVER 4,00,000 UNITS
SOLD IN INDIA & ABROAD**





CRYOCANS® a synonym of Liquid Nitrogen Container is used for ultra low temperature preservation of semen for artificial insemination of cattle, storage of biological samples for medical research applications as well as low volume transportation of liquid Nitrogen and is available in wide range of capacities and models.

SPECIFICATIONS		CRYOCAN®											TRANSPORT			
		PORTABLE						STORAGE								
MODEL	UNIT	DS-1	BA1.5	BA2X	BA3	BA7	BA11	BA20	BA23	BA35	BA42	J12	TA1.5	TA26	TA35	TA55
				■					■		■	■				
Capacity LN2	ltrs	0.9	1.5	2.2	3.9	7.9	11.6	20.5	23.5	33.3	41.4	47.3	1.5	25.5	33.3	51.5
Empty Weight	Kgs❖	2.1	2.2	2.1	3.3	5.5	6.5	11.0	11.2	14.6	16.5	15.9	2.2	11.6	12.8	15.0
Full Weight	Kgs❖	2.8	3.4	3.9	6.4	11.9	15.9	27.5	30.2	41.5	49.9	54.1	3.4	32.2	39.7	56.6
Neck Dia	mm	30	30	51	51	51	51	51	90	51	70	120	30	51	51	51
Outer Dia	mm	175	175	175	220	300	300	400	460	460	460	460	175	400	460	460
Total Height	mm	407	407	355	500	556	610	692	445	685	698	700	407	720	640	757
Static Evaporation Loss Rate.....	ltrs/day	0.097	0.097	0.125	0.135	0.135	0.14	0.118	0.35	0.118	0.21	0.38	0.097	0.25	0.3	0.43
Static Holding Time	days	9	15	18	29	58	83	174	67	282	197	124	15	102	111	120
Canister OD	mm	26	17	38	38	38	38	38	68	38	56	72	26	-	-	-
Canister Height	mm	120	120	120	120	120	120/280	120/280	120	120/280	280	280	120	-	-	-
No. of Canisters	no.	1*	5	6	6	6	6	6	9	6	7	11	1*	-	-	-
Straw Capacity (Single level)	0.5 ml	60	110	720	720	720	720	720	3285	720	-	-	60	-	-	-
	0.25ml	120	250	1560	1560	1560	1560	1560	7380	1560	-	-	120	-	-	-
Straw Capacity (Double level)	0.5 ml	-	-	-	-	-	1440	1440	-	1440	3850	11000	-	-	-	-
	0.25ml	-	-	-	-	-	3120	3120	-	3120	8470	24000	-	-	-	-

* STATIC EVAPORATION RATE IS CALCULATED AS PER INTERNATIONAL STANDARD. FIELD FACTOR WHICH INFLUENCES THE EVAPORATION LOSS RATE MAY VARY FROM 1.6 TO 2.0 TIMES OR MORE DEPENDING ON WORKING CONDITIONS. * THESE SPECIFICATIONS ARE SUBJECT TO REVISION DUE TO CONTINUOUS R&D EFFORTS FOR PRODUCT IMPROVEMENT.

* WITH DIPPER OR CANISTER. ❖ WEIGHTS ARE WITHOUT CANISTERS, SIDE RUBBER RINGS AND BOTTOM PAD. MODELS WITH ■ SIGN ARE AVAILABLE WITH SS CAP ONLY. PROTECTIVE BOTTOM PAD AND SIDE RINGS ARE PROVIDED WITH TA-26, TA-35 AND TA-55 MODELS ONLY. OPTIONAL IN CASE OF OTHER MODELS.

ACCESSORIES

TILTING TROLLEY :

Used for moving and decanting transport models.
(TA26 & TA 55)

TRANSFER DEVICE :

Used for transferring Liquid Nitrogen from transport models.
(TA26 & TA 55)

SS FUNNEL :

SS Funnel with handle is used for transferring Liquid Nitrogen to biological models.



TRANSFER DEVICE

SS FUNNEL



TILTING TROLLEY

WIDE MOUTH FREEZING CUM BULK STORAGE CONTAINERS

CRYOVESSEL wide mouth cryogenic containers of 340 to 1200 liter capacity are available for bulk preservation of semen, vaccines and biological samples etc.

Each **CRYOCAN**[®] and **CRYOVESSEL** is manufactured with top class technology and raw materials and is backed with proven R & D efforts and rigorous quality assurance tests.

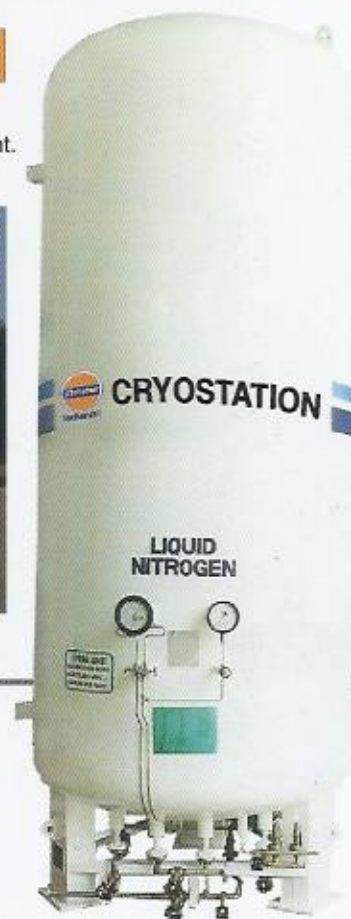
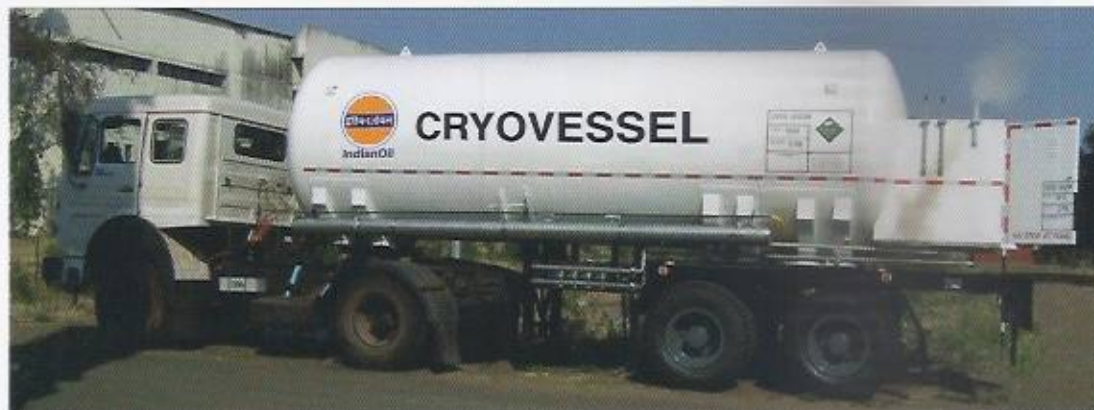


CRYOVESSEL			
MODEL	OM 320	OMR 550	OMR 1200
Capacity	340 Ltrs	550 Ltrs	1200 Ltrs
Height (Approx)	1125 mm	1250 mm	1620 mm
Outer Diameter	900 mm	1110 mm	1400 mm
Neck Opening	810 mm	370 mm (eccentric)	518 mm (eccentric)
Material Of Construction	Stainless steel grade SS304	Stainless steel grade SS304	Stainless steel grade SS304
Empty Weight Without Accessories	155 Kgs.(Approx)	300kgs(Approx.)	565 Kgs (Approx.)
Empty Weight With Canisters & Accessories	225 kgs(Approx.)	375 kgs (Approx.)	705 Kgs (Approx.)
Static Evaporation Loss Rate Per Day at STP	7 ltrs.	7 ltrs	10 ltrs
Canister OD (mm)	70	70	70
Canister Height (mm)	520	520	520
Number of Canisters	100	126	240
Storage	4 Nos	6 Nos	4 Nos
	Stationary compartments	Revolving compartments	Revolving compartments
Storage Capacity (In Four Levels)			
0.5ml	146000 Nos	183960 Nos	350400 Nos.
0.25ml	328000 Nos	413280 Nos	787200 Nos
Standard Accessories	Canisters with Lifters (100sets) Divider (1 set) Freezing Grill (1No) Acrylic Top Cover (1No)	Canisters with Lifters (126(sets)) Divider	Canisters With Lifters (240 sets) Divider

• STATIC EVAPORATION RATE IS CALCULATED AS PER INTERNATIONAL STANDARD. FIELD FACTOR WHICH INFLUENCES THE EVAPORATION LOSS RATE, MAY VARY FROM 1.6 TO 2.0 TIMES OR MORE DEPENDING ON WORKING CONDITIONS. • IOC RESERVES THE RIGHT TO MAKE IMPROVEMENTS IN DESIGN AND CHANGES IN SPECIFICATIONS WITHOUT NOTICE AND WITHOUT INCURRING OBLIGATION AS TO UNITS ALREADY SOLD

LIQUID NITROGEN BULK STORAGE AND TRANSPORT TANKS

IOC, IBP Divn., BG Cryogenics manufactures bulk storage and transport tanks for Liquid Nitrogen from 200 to 40,000 liters and above capacities in different pressure ranges to meet the specific requirement. More details are available on demand.



Indian Oil Corporation Limited

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