



...Meeting
GLOBAL Standards

CRYOGENIC
REFRIGERATORS
&
DEWARS



INOX INDIA LTD.

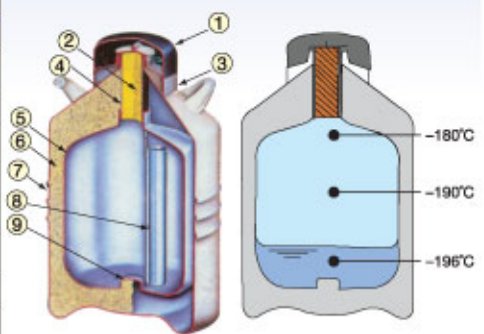
- One of the largest manufacturer's of cryogenic containers in the world
- 15 years of experience with around 1,00,000 containers in the field
- 'CRYOSEAL' come with convenient holding times and capacities
- Rugged & reliable solution, efficient and economical in operation with long life
- Leading global supplier of full range of cryogenic storage and distribution equipment

- ✓ 'CRYOSEAL' range of aluminium dewars
- ✓ Medical & Biological storage, Animal husbandry, Fertility
- ✓ Liquid nitrogen transportation, Industrial & Scientific applications
- ✓ Special insulation materials and cryogenic neck ensures long field working time
- ✓ Extremely low evaporation losses
- ✓ High strength aluminium alloy provides lighter weight & sturdy 'CRYOSEAL'

TECHNICAL SPECIFICATIONS

Characteristics	Unit	PORTABLE					STORAGE			TRANSPORT	
		IDS-1***	IX-2	IR-3	IR-7	IR-10	IX-20	IX-35	IX-47	IN-30	IN-50
Capacity	ltrs	1.4	1.6	3.9	7.8	10.5	20.5	34.5	47	31.3	50
Static evaporation loss rate*	ltrs/day	0.08	0.08	0.135	0.114	0.117	0.097	0.118	0.37	0.28	0.43
Static holding time*	days	17	20	29	68	90	211	292	127	112	116
Working time**	days	11	12.5	18	42	56	132	182	79	-	-
Total height	in/mm	15.6/395	15.4/390	15.9/403	19.5/495	22.4/570	27.4/695	28/710	27.2/690	22/560	29.1/740
Overall diameter	in/mm	6.6/168	6.6/168	8.9/225	10.2/260	10.2/260	15/380	17/432	19.1/485	17/433	17/433
Neck tube diameter	in/mm	1.4/34.5	1.4/34.5	2/51	2/51	2/51	2/51	2/51	4.7/120	2/51	2/51
Empty weight	lbs/kgs	4/1.8	4/1.8	6/2.7	9.7/4.4	11/5	24/10.9	32/14.5	38.6/17.5	24.9/11.3	32.6/14.8
Full weight	lbs/kgs	6.6/3	6.6/3	13/5.9	23.6/10.7	29.8/13.5	60.6/27.5	93.5/42.4	122.4/55.5	80.7/36.6	121.7/55.2
No of canisters	pcs	1	5	6	6	6	6	6	11	-	-
Canister OD	in/mm	1.1/28	1/25	1.5/38	1.5/38	1.5/38	1.5/38	1.5/38	2.8/72	-	-
Canister height	in/mm	4.7/120	4.7/120	4.7/120	4.7/120	4.7/120	4.7/120	4.7/120	11/280	-	-
Straw holding capacity						11/280	11/280	11.0/280	-	-	-
Single level	0.25 ml	pcs	150	600	1560	1560	1560	1560	-	-	-
	0.5 ml	pcs	75	290	720	720	720	720	-	-	-
Double level	0.25 ml	pcs	-	-	-	-	3120	3120	18000	-	-
	0.5 ml	pcs	-	-	-	-	1440	1440	8000	-	-

- Double wall vacuum and super insulation provides long term storage of liquid nitrogen
- Ultra low temperature preservation of biological samples
- Artificial Insemination applications
- Storage of small quantities of liquid nitrogen for industrial use



1. Hinged Cap
2. Necktube plug
3. Slotted numbered index ring
4. Necktube
5. Inner Container
6. Super insulation
7. Outer casing
8. Canister
9. Canister support

-Specifications are subject to change due to continuous product development/upgradation without prior notice.
 -Weights are excluding canisters, side rings and bottom pad
 -Protective bottom pad and rubber side rings are provided with IN-30 and IN-50 transport models
 *Static evaporation loss rate and static holding time are nominal. Actual rate may be affected by manufacturing tolerances, atmospheric condition and container history. These evaporation rates are specified at standard atmospheric conditions and without canisters.
 **Working Time specified is equal to static holding time divided by 1.6. Actual working time may vary depending on the frequency of opening and closing the container.
 ***Model IDS-1 is dry shipper container

ACCESSORIES



- Storage Tanks • Cold Converters • Transport Tanks and Trailers • ISO Tank Containers • Cryo Containers • Field Erected Flat bottom Tanks • Engineered Tanks
- Vaporizers • Vacuum - Jacketed Piping • Turnkey Cryogenic Systems • Disposable Cylinders • CO2 Dry Cleaning Machines



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