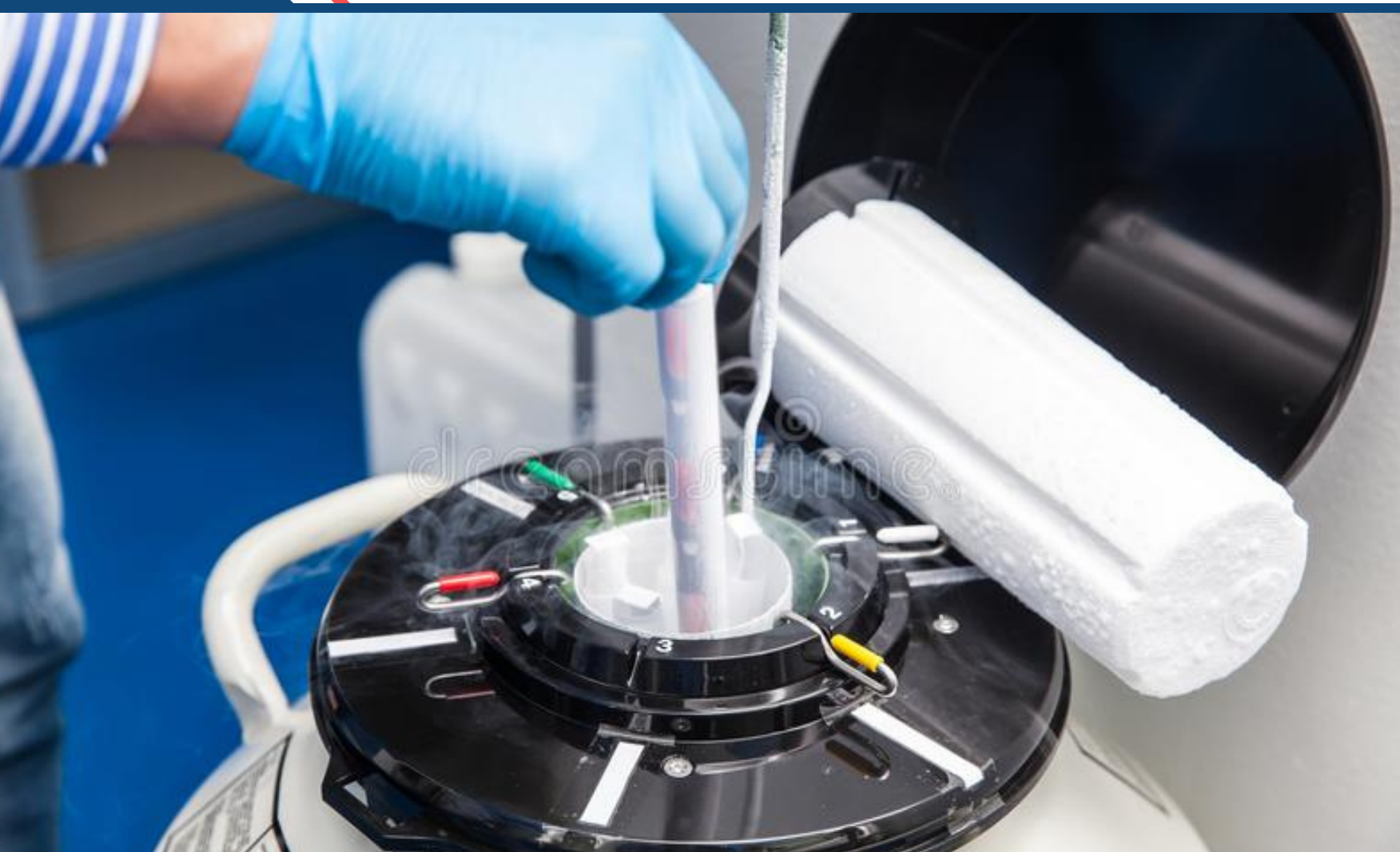


- MANUFACTURE OF CRYOGENIC TANKS
- VAPORIZAR & ALLIED EQUIPMENTS

LIQUID NITROGEN CONTAINER



Small Sized Storage Dewar
Tank 3 Liter to 50 liter

Product Advantages

- Low LN₂ Consumption and Maximum Storage Efficiency
- Advanced Vacuum Technology and Super-insulation Technology

Scope of Application:

Widely used within many laboratories, this small-sized storage series features low LN₂ consumption and dual handle design.

Key Features

- Heavy duty lockable enclosure offers excellent security
- Strong, lightweight robust construction
- Dual handles
- Temperature monitoring available on request
- Roller bases available
- High thermal efficiency
- Ultra-low LN₂ evaporation loss

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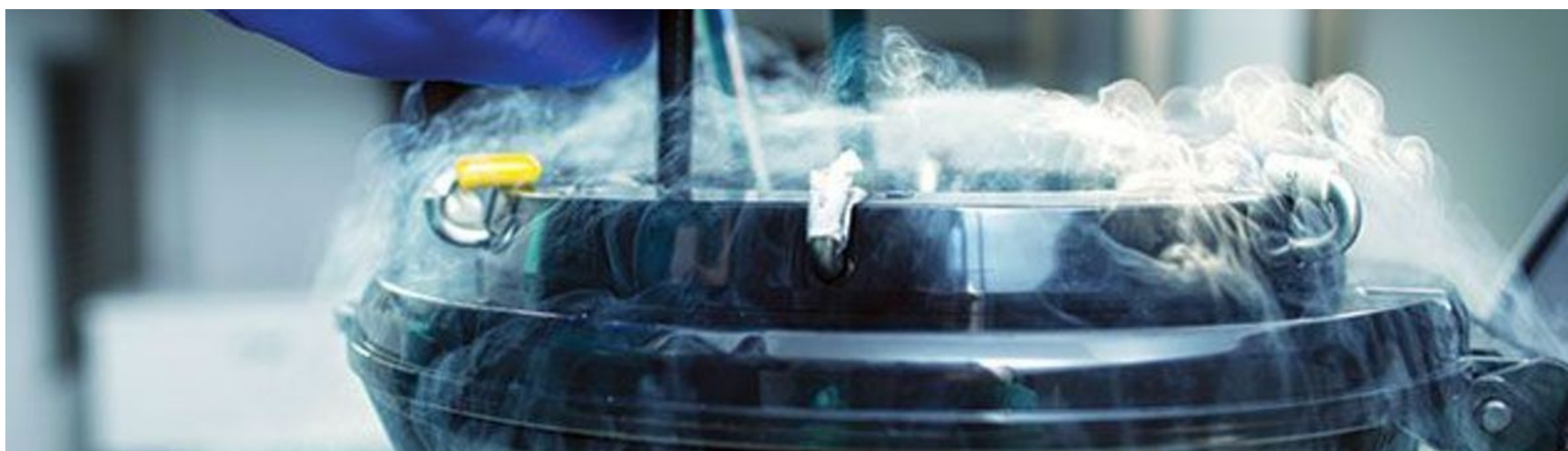
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Technical Parameters

Cryogenic Storage Dewar tank				
S.No	Parameters	Model Number CGI-CDW031	Model Number CGI-CDW051	Model Number CGI-CDW101
1	Capacity of the tank	3 Liters	5 Liters	10 Liters
2	Type of tank	Vertical	Vertical	Vertical
3	Construction design code	ASME VIII Div.1 Ed.2021	ASME VIII Div.1 Ed.2021	ASME VIII Div.1 Ed.2021
4	Inner Diameter of the tank "ID" mm	162	213	213
13	Total inner vessel volume "V3"	3.17	5.52	10.73
16	Total inner vessel inside height	181	191	337
17	Maximum Allowable Working Pressure, "P" Bar	1	1	1
18	Maximum Allowable Working Pressure, "P" Mpa	0.1	0.1	0.1
42	Outer Vessel Parameters			
46	Outside Diameter of the tank "OD" mm	219	270	270
52	Top Neck height + Nozzle	120	120	120
80	Insulation Multi Layer	1	1	2
82	Total weight of vessel "kgs"	8	11	14
84	Operating Weight of Inner Vessel with LIN - 808 Kg/m ³	3	4	9
85	Operating Weight of Inner Vessel with LOX - 1141 Kg/m ³	3	6	12
87	Gross Shipping weight	10	13	16
88	Static Evapouration* (L/Day)	0.48	0.45	0.42
89	Static Holding Time (Day)	7	12	26

Cryogenic Storage Dewar tank			
S.No	Parameters	Model Number CGI-CDW201	Model Number CGI-CDW301
1	Capacity of the tank	20 Liters	30 Liters
2	Type of tank	Vertical	Vertical
3	Construction design code	ASME VIII Div.1 Ed.2021	ASME VIII Div.1 Ed.2021
4	Inner Diameter of the tank "ID" mm	267	267
13	Total inner vessel volume "V3"	21.78	31.30
16	Total inner vessel inside height	434	604
17	Maximum Allowable Working Pressure, "P" Bar	1	1
18	Maximum Allowable Working Pressure, "P" Mpa	0.1	0.1
42	Outer Vessel Parameters		
46	Outside Diameter of the tank "OD" mm	328	328
52	Top Neck height + Nozzle	120	120
80	Insulation Multi Layer	3	3
82	Total weight of vessel "kgs"	21	25
84	Operating Weight of Inner Vessel with LIN - 808 Kg/m ³	18	25
85	Operating Weight of Inner Vessel with LOX - 1141 Kg/m ³	24	34
87	Gross Shipping weight	24	29
88	Static Evapouration* (L/Day)	0.35	0.36
89	Static Holding Time (Day)	62	87



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