



# LABORATORY SECTOR

## NITROGEN TANKS



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**KALSTEIN® Nitrogen Tanks**  
**Biomedical Liquid Nitrogen Storage Solutions**  
**Model YR05423 // YR05437**



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## KALSTEIN® Nitrogen Tanks Biomedical Liquid Nitrogen Storage Solutions

Model YR05423 // YR05437



### Key Features:

- ✓ All models are equipped with safety valves
- ✓ All welded stainless steel construction
- ✓ Rotary ring construction
- ✓ Labelled valves for easy identification

### Product Advantages:

- ✓ Stainless Steel Structure: Stainless steel structure can withstand the most demanding environment and ensure long-lasting security. It also provides reduced evaporation loss rate, compared with conventional welding insulation tanks.
- ✓ Variety of accessories: Each Self-pressurized Series for LN2 Storage and Supply model is equipped with a pressure valve, a drain valve, a relief valve, and a pressure gauge.

### Key Features:

- ✓ All models are equipped with safety valves.
- ✓ All welded stainless steel construction
- ✓ Rotating ring construction
- ✓ Labeled valves for easy identification

### Product Description:

Liquid Nitrogen Supplement Series for LN2 Storage and Supply incorporates the latest innovation, its unique design utilizes the pressure generated from the vaporization of a small amount liquid nitrogen to discharge LN2 into other containers. Storage capacities range from 5 to 500 liters.

- ✓ 5 Year Vacuum Warranty
- ✓ Decant Valves
- ✓ Liquid Storage
- ✓ Stainless Steel Construction
- ✓ Pressure Raising
- ✓ Integral Safety Mechanisms

### Technical Description:

The LN2 storage and supply liquid nitrogen supplement series incorporates the latest innovation, its unique design uses the pressure generated by the vaporization of a small amount of liquid nitrogen to discharge LN2 into other containers. Storage capacities range from 5 to 500 liters.

- ✓ 5 year vacuum warranty
- ✓ Decantation valves
- ✓ liquid storage
- ✓ stainless steel construction
- ✓ pressure rise
- ✓ Comprehensive Security Mechanisms

### Product Advantages:

- ✓ Stainless Steel Construction– The stainless steel construction can withstand the harshest environments and ensure long-lasting safety. It also provides a reduced evaporation loss rate, compared to conventional welding insulation tanks.
- ✓ Variety of Accessories: Each model of the Self-Pressurized LN2 Storage and Supply Series is equipped with a pressure valve, a drain valve, a relief valve and a pressure gauge.



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## KALSTEIN® Nitrogen Tanks Biomedical Liquid Nitrogen Storage Solutions

Model YR05423 // YR05437



### Technical Description:

Model	YR05423	YR05424	YR05425	YR05426	YR05427	YR05428	YR05429	YR05430
Performance								
<b>LN volume</b> <input type="checkbox"/> (L)	5	fifteen	30	fifty	100	150	200	300
<b>Static Evaporation</b> (L/Day)	0.15	0.38	0.75	one	1.3	1.95	2.4	3.3
<b>LN output</b> <input type="checkbox"/> (l/min)	two	two	3	3	4	6	8	8
Dimensions								
<b>Height</b> (mm)	510	750	879	991	1185	1188	1265	1459
<b>Outer diameter</b> (mm)	329	404	454	506	606	706	758	857
<b>Curb weight</b> (kg)	fifteen	23	32	54	75	102	130	202
<b>Complete weight</b> (kg)	19.1	35.3	56.6	95	157	225	296	448
<b>Shipping weight</b> (kg)	28	3.4	47	63	98	132	164	232
<b>Pressure parameters</b> (MPA)	1. Standard working pressure 0.05,					1. Standard working pressure 0.05,		
	2. Maximum working pressure 0.09,					2. Maximum working pressure 0.09,		
	3. First stage safety valve relief pressure 0.099,					3. First stage safety valve relief pressure 0.099,		
	4. Second stage safety valve release pressure 0.15,					4. Second stage safety valve release pressure 0.15,		
	5. Pressure gauge range 0~0.25					5. Gauge range 0-0.25,		
						6. Rupture disc bursting pressure 0.47 .		



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## KALSTEIN® Nitrogen Tanks Biomedical Liquid Nitrogen Storage Solutions Model YR05423 // YR05437



Model	YR05431	YR05432	YR05433	YR05434	YR05435	YR05436	YR05437
Performance							
<b>LN volume</b> (L)	500	100	200	240	300		500
<b>Static Evaporation</b> (L/Day)	5.5	1.3	2.4	2.9	3.3		5.5
<b>LN output</b> (l/min)	10	4	8	8	8		10
Dimensions							
<b>Height</b> (mm)	1576	1185	1265	1350	1459		1576
<b>Outer diameter</b> (mm)	1008	606	758	758	857		1008
<b>Curb weight</b> (kg)	255	75	130	148	202		255
<b>Complete weight</b> (kg)	665	157	296	350	448		665
<b>Shipping weight</b> (kg)	324	98	164	177	232		324
<b>Pressure parameters</b>	1. Standard working pressure 0.05,	1. Standard working pressure 0.05,	1. Standard working pressure 0.05,				
<b>(MPA)</b>	2. Maximum working pressure 0.09,	2. Maximum working pressure	2. Maximum working pressure 0.09,				
	3. First stage safety valve relief pressure 0.099,	0.09, 3. First stage safety valve relief pressure 0.099,	3. First stage safety valve relief pressure 0.099,				
	4. Second stage safety valve release pressure 0.15,	4. Second stage safety valve release pressure 0.15,	4. Second stage safety valve release pressure 0.15,				
	5. Gauge range 0-0.25,	5. Pressure gauge range 0-0.25	5. Gauge range 0-0.25,				
	6. Rupture disc bursting pressure 0.47 .		6. Rupture disc bursting pressure 0.47 .				



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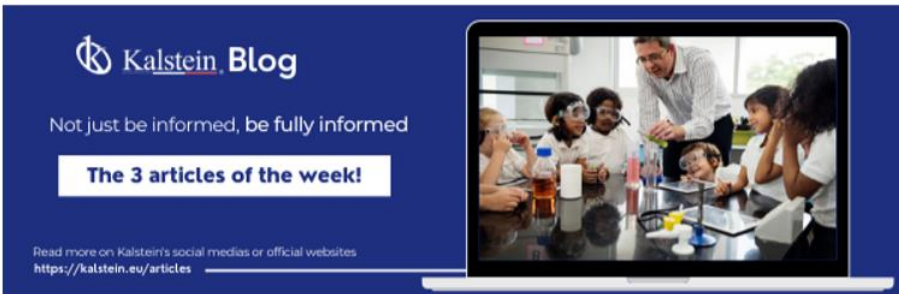
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