



LABORATORY LINES

NITROGEN TANKS



Kalstein®

A different accompaniment, at your service





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A different accompaniment, at your service

OUR SERVICES

Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



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Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



Dryshipper Series for Transportation (Round Canisters)

Dryshipper Series for Transportation (Round Canisters) is designed for safe sample transportation under cryogenic conditions (vapour phase storage, temperature under -190°C). Since the risk of LN₂ release is avoided, it is suitable for air transportation of samples.

- Rugged and Durable
- 3 Year Vacuum Warranty
- Cryo Absorbant
- Vapour Phase Storage
- Secure
- No LN₂ Spillage



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KALSTEIN® Nitrogen Tank Dryshipper Series for Transportation (Round Canisters)



Model Series YR05417

Product Description

Dryshipper Series for Transportation (Round Canisters) is designed for safe sample transportation under cryogenic conditions (vapour phase storage, temperature under -190°C). Since the risk of LN_2 release is avoided, it is suitable for air transportation of samples.

1. Rugged and Durable
2. 3 Year Vacuum Warranty
3. Cryo Absorbant
4. Vapour Phase Storage
5. Secure
6. No LN_2 Spillage.



Product Advantages

1. LIQUID NITROGEN ADSORPTION

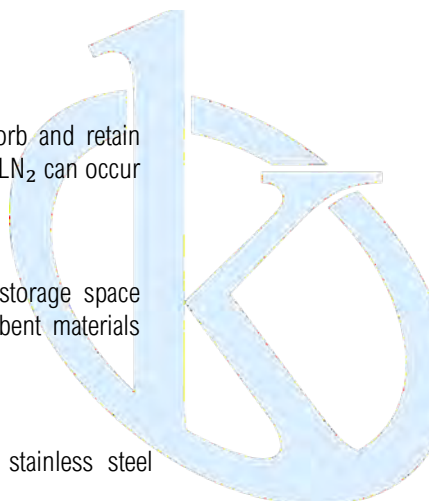
Adsorbent materials are used to absorb and retain LN_2 for safe transport. No spillover of LN_2 can occur even when the tank is capsized.

2. STAINLESS STEEL MESH

Special stainless steel mesh divides storage space and LN_2 absorbents to prevent absorbent materials from contaminating the samples

3. COMPLETE ACCESSORIES SET

All models are offered a variety of stainless steel canisters and polycarbonate cryogenic boxes. Locking cover is optional.



Key Features

1. Straw and cryovial storage options
2. 3 Year Vacuum Warranty
3. Straw and cryovial storage options
4. Vapour phase cryogenic storage
5. Lockable lids
6. Designed to ensure no LN_2 spillage
7. Rugged and durable aluminium construction
8. Faster LN_2 fill times
9. Lockable lids
10. 3 year vacuum warranty



Accessories available:



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KALSTEIN® Nitrogen Tank Dryshipper Series for Transportation (Round Canisters)

Model Series YR05417



Technical Specifications

Model		YR05417	YR05418	YR05419	YR05420	YR05421	YR05422
Maximum Storage Capacity	No. of Canister	1					
	No. of Straws (0.5ml / EA)	132	374	854	—		
	No. of Straws (0.25ml / EA)	298	837	1940	—		
	No. of 2.0 ml Cryovials	—		100	300	500	
	No. of Boxes in (2ml per holder)	—		4	3	5	
Performance	Volume of LN ₂ (L)	3	6	10	15	25	
	Absorbable Volume of LN ₂ (L)	1.3	2.9	3.4	6	9	
	Static Evaporation * (L/Day)	0.16	0.2	0.43	1.5	0.89	
	Liquid Phase Static Holding Time**(Day)	20	37	23	10	29	
	Liquid Phase Static Holding Time**(Day)	8	14	8	4	10	



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Technical Specifications

Model		YR05417	YR05418	YR05419	YR05420	YR05421	YR05422
Dimensions	Opening Diameter (mm)	50	80	125		216	216
	Height (mm)	435	487	625		540	716
	Outside Diameter (mm)	223	300	300		394	394
	Canister Outside Diameter (mm)	38	63	97		—	
	Outside Height (mm)	120	120	120		—	
	Empty Weight (kg)	3.2	4.9	6.7		8.5	15
	Full Weight (kg)	4.7	7.5	11		25	30
	Shipping Weight (kg)	5.5	7.7	9.7		15.2	20.5
Additional Features		Includes 1 canister (height 120mm), lockable cap and protective jacket	Includes 1 canister (height 120mm), lockable cap and protective jacket	Includes 1 rack (4 layers), 5*5 cryoboxes, lockable cap and protective jacket	Includes lockable cap and protective jacket, no rack	Includes 1 rack (3 layers), 9*9 cryoboxes and lockable cap, no protective jacket	Includes 1 rack (5 layers), 9*9 cryoboxes and lockable cap, no protective jacket

Static evaporation and static holding time are theoretical values. Actual evaporation and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

** Liquid Phase Static Holding Time: the amount of days it takes for all of the LN to evaporate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

*** Vapour Phase Static Holding Time: the amount of days it takes for all of the LN to evaporate out after pouring liquid nitrogen into container to making absorbent materials fully absorb LN under standard atmospheric condition.



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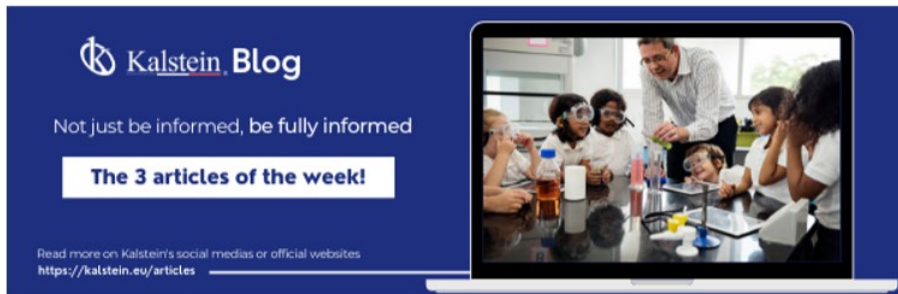
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microscope is an instrument that allows observing and measuring objects at a very small scale. This is achieved through a complex system of lenses and mirrors, which form

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Article of the week:
How does the climate affect your microscope?

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2
Read this ARTICLE NOW

What is the importance of the laboratory refrigerator?

refrigerator is a device that is one of the most common pieces of equipment used in laboratories. It is a controlled environment (refrigerated space), various fluids and substances

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Article of the week:
What is the importance of the laboratory refrigerator?

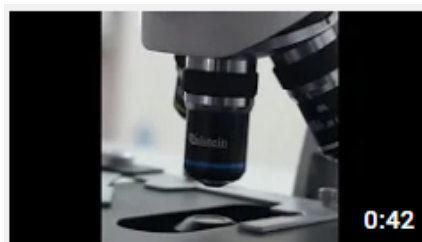
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