



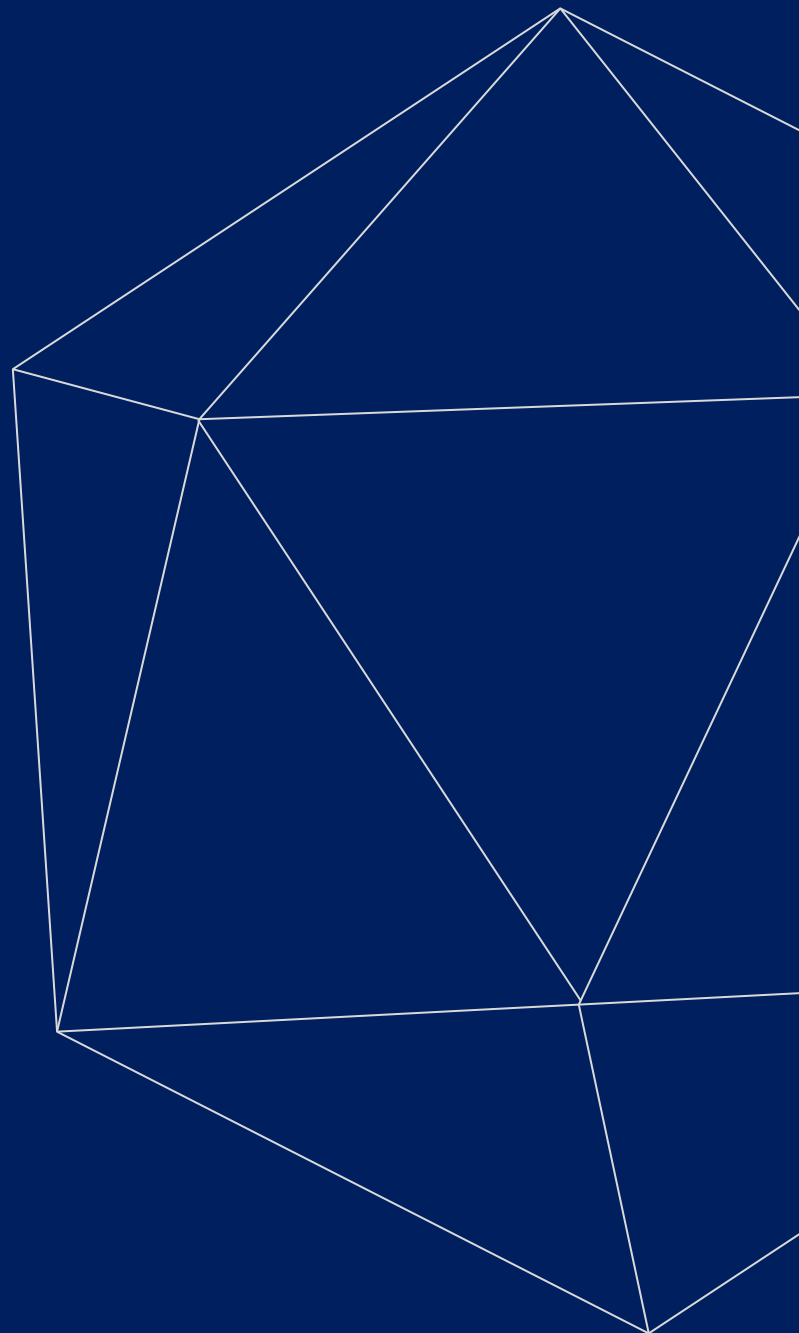
Kalstein®

A different accompaniment, at your service

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LABORATORY LINES

REFRIGERATORS AND FREEZERS



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Optimum Business Center 450 Rue Baden Powell,
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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.



#Letsgivemore

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.



KALSTEIN® Refrigerators and Freezers

Stainless Steel -86 Degrees Energy Saving Freezer

Model YR05296



Product Description :

The -86°C ULT freezer is specially designed and manufactured for long-term storage of various biological products, including viruses, germs, erythrocytes, leukocytes and cutis. Applications can be found in blood banks, hospitals, epidemic prevention service and research institutes, laboratories in chemical and electronic plants, biological engineering institutes and marine fishing companies.

Self-Cascade Ultra-Low Temperature Freezer -86°C:

Self-Cascade cooling system, fast and easy to maintain cooling, energy saving and environmental protection. Self-developed mixed refrigerant, energy savings of 50%, cooling speed increased by 40%.

Proven Reliability Presented :

- ✓ Unique insulated inner door design for four separate storage compartments to minimize frost build-up inside the chamber.
- ✓ Specialized control system design for well-balanced operation of the dual refrigeration system.
- ✓ Proven reliability record filed positive.

Security:

- ✓ Malfunction alarms including high and low temperature, power failure, sensor error, clean filter and extremely high ambient, abnormal voltage, thermostat failure, low battery, condenser cleaning, door ajar.
- ✓ Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- ✓ Door open function standard and USB port for temperature data download standard on vertical models.
- ✓ Remote alarm contacts.

Key Design Features:

- ✓ Depending on load demands and environmental conditions, one or both cooling systems will operate on demand, ensuring that samples are fully protected in the worst possible conditions.
- ✓ Optional temperature recorder, storage racks and enclosure. Microprocessor-controlled system designed for a range of -40 °C to -86 °C for cabinet space in 1 °C increments.

Energy Saving :

- ✓ Unique door seal design for minimal cold temperature loss during door opening.
- ✓ High performance VIP insulation panels to minimize cabinet heat gain and improve temperature stability.
- ✓ HC refrigerant with better efficiency and lower energy cost.

Installation and Application :

- ✓ Wide range operating voltage system from 187 V to 242 V designed to allow the units to be installed in areas with poor voltage conditions.
- ✓ Suitable for an ambient temperature of 10 °C to 32 °C.

CO₂ and LN₂ Backup System :

- ✓ Stand-alone equipment CO₂ backup system, LN₂ backup system and backup refrigeration system for ultra-low temperature freezer failures and power outages.
- ✓ The backup refrigeration system consists of a control system and a supply connection system.



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Model YR05296



Model		YR05296
Specifications	Shelf/drawer QTY	Stainless steel shelf/3
	Cooling	Direct cooling
	Defrost	Manual
	Refrigerant	Mixed-gas
	Power Consumption(kWh/24h)	11.2
	Noise(db)	52
	Ambient temperature(°C)	10~32°C
	Temperature range(°C)	-40~-86°C
Cooling system	Compressor brand/QTY	SECOP/1
	Sensor	SECOP/1
	Temperature controller	Microprocessor
	Display	Digital display
Power	Voltage/frequency(V/Hz)	220/50Hz
	Power(W)	810W
	Current(A)	5A
Material	Inside material	Stainless steel
	Outside material	Color sprayed steel
	Insulation	PURF
Size	Capacity(L/cu.ft)	340/12
	NT./GT.(kg)	222/283.5
	Exterior size(W*D*H)(mm)	875*980*1900
	Interior size(W*D*H)(mm)	488*607*1140
	Package size(W*D*H)(mm)	935*1070*2130
	CBM	2.13
	20GP/40GP/40HQ	12/24/24
Frozen Racks	Racks	12(4X4)
	Boxes (2 Inches)	192
	Samples(2ml)	19200



#Let'sgive more

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Model YR05296



Alarm	High/low temperature	Y
	Power failure	Y
	Abnormal voltage	Y
	Sensor error	Y
	Filter screen check	Y
	Thermostat failure	Y
	Low battery	Y
	Condenser clean	Y
	High ambient temperature	Y
	Door ajar	Y
	Power failure backup system(alarm)	72h
Accessories	Castor	Y
	Inside door	2
	Test hole QTY/diameter	1/25MM
	USB port	Y
	Chart recorder	/
	Data logger	Optional
	Remote alarm port	Y
Optional	CO2 back up system	Optional
	LN2 back up system	Optional
Other	Certification	ISO.CE



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