Pharma Freezers 2°C~8°C



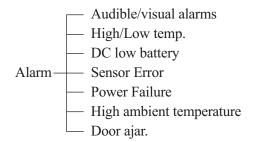
Compact and Convenience

Under Counter or Counter Top.

Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.



- Built-in USB data logger, remote alarm contact
- RS485 interface for LIMS.
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System.
 When the primary sensor fails,
 the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.



Features:

- Intelligent microprocessor digital temperature controller for High accuracy of 0.1°C.
- Double pane tempered glass door with electrical heating and filled with gas, for perfect thermal Insulation.
- Inner chamber made of highly durable HIPS material, helps in easy cleaning.
- Equipped with high-quality shelves made from PVC-coated steel wire with tag cards and classification marks.
- Supported by highly efficient compressor with HCFC-FREE refrigerants for a greener footprint and better temperature performance.
- Equipped with LED lights, to quickly grab samples when the door is open



	Model No.	210-055
Technical Data	Cabinet Type	Upright
	Capacity (L)	55
	Climate Class	N
	Defrost Mode	Automatic
	Refrigerant	R600a, HCFC- Free
	Noise(dB(A)	56
Performance	Cooling Performance (°C)	2°C
	Temperature Range (°C)	2°C ~ 8°C
	Ambient Temperature (°C)	16°C ~ 32°C
Control	Controller	Microprocessor Digital Controller
Function	USB Interface	Built In USB Interface
	Access Test Port	1 no. Ø 24.5 mm
	Alarm	Audible & Visible : High / Low Temperature, High Ambient temperature, Sensor Failure, Door Ajar,
		System Failure, Built in data logger USB Failure, Low Battery, Power Failure
Construction	External	Powder coating
	Internal	Aluminum plate with spraying
	Shelves	2(coated steel wired shelf)
	Door Lock with Keys	YES
	Lighting	LED
	Insulation Thichness	50 mm
	Caster	2 units of Universal Caster wheels with 2 Leveling Foot
	Data Logging/Time/Quantity	USB/Record every 1 minute / 365 days
	Door with heater	Yes
Electrical Data	Power Supply (V/Hz)	220 V / 50Hz, 220V / 60Hz
	Power Consumption (KWh/24h)	1.54
Dimensions	Internal Dimension (WxDxH)	444 x 440 x 404 mm
	External Dimension (WxDxH)	540 x 560 x 632 mm
	Net Wt.	35/38
Others	Certificate	CE, ISO9001 :2015

Ordering Information:

Model No		Description
210-055	+2°C to 8°	C Pharma Freezer, 55 Litres

^{*} The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.





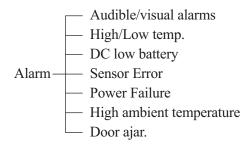
Compact and Convenience

Under Counter or Counter Top.

Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.



- Built-in USB data logger, remote alarm contact
- RS485 interface for LIMS.
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System.
 When the primary sensor fails,
 the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.



Features:

- Intelligent microprocessor digital temperature controller for High accuracy of 0.1°C.
- Double pane tempered glass door with electrical heating and filled with gas, for perfect thermal Insulation.
- Inner chamber made of highly durable HIPS material, helps in easy cleaning.
- Equipped with high-quality shelves made from PVC-coated steel wire with tag cards and classification marks.
- Supported by highly efficient compressor with HCFC-FREE refrigerants for a greener footprint and better temperature performance.
- Equipped with LED lights, to quickly grab samples when the door is open



	Model No.	210-130
Technical Data	Cabinet Type	Upright
	Capacity (L)	130
	Climate Class	N
	Defrost Mode	Automatic
	Refrigerant	R600a, HCFC- Free
	Noise(dB(A)	≤ 56
Performance	Cooling Performance (°C)	4° C
	Temperature Range (°C)	2°C ∼ 8°C
	Ambient Temperature (°C)	16°C ~ 32°C
	Cooling Method	Direct air cooling
Control	Controller	Microprocessor Digital Controller
Function	USB Interface	Built In USB Interface
	Access Test Port	1 no. Ø 25 mm
	Alarm	Audible & Visible : High / Low Temperature, High Ambient temperature, Sensor Failure, Door Ajar,
		System Failure, Built in data logger USB Failure, Low Battery, Power Failure
	Temperature Recorder	Standard with build-in USB datalogger for temperature data recording
Construction	External	Epoxy Powder coating
	Internal	Aluminum plate with spraying
	Shelves	3(coated steel wired shelf)
	Door Lock with Keys	YES
	Lighting	LED
İ	Insulation Thichness	50 mm
	Caster	2 units of Universal Caster wheels with 2 Leveling Foot
	Data Logging/Time/Quantity	USB/Record every 10 minute / 2 Years
-	Door with heater	Yes
	Standard Accessory	RS485, Remote alarm contact
Electrical Data	Power Supply (V/Hz)	220 V / 50Hz, 220V / 60Hz
	Power Consumption (KWh/24h)	1.8
Dimensions	Internal Dimension (WxDxH)	650 x 625 x 810 mm
	External Dimension (WxDxH)	650 x 625 x 810 mm
	Net Wt.	47/50
Others	Certificate	CE, ISO9001 :2015

Ordering Information:

Model No.	Description
210-130	+2°C to 8°C Pharma Freezer, 130 Litres

^{*} The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.



Pharma Freezers

2°C ~ 8°C



Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.

Compact and Convenience



- Built-in USB data logger, remote alarm contact
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System.
 When the primary sensor fails,
 the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.
- RS232/485 interface for LIMS
- Alarms
- Audible/visual alarms
- High/Low temperature
- Low battery
- Sensor Failure
- Door ajar
- Power Failure

• Refrigeration System

Multi-duct vortex with finned evaporator prevents frosting and improve temperature uniformity.

• Intelligent Temperature Controller

High-precision microprocessor temperature control system with a bright LED digital display of 0.1°C temperature display precision.

• Effective Energy Saving

Effective power management system and air cooling design saves energy by more than 40%.



• Anti-condensation

Electrically heated design prevents condensation on the glass door.

• Precision

Venchal Refrigerators equipped with Seven temperature probes to ensure highly precise temperature control with almost no fluctuation.

• Security System

Self diagnostic facility and security is processed through well developed alarm system with Audible & Visual remote alarms.

• Data Storage

Data can be stored through USB or when connected to U-disk automatically even for more than 10 years.

• Lighting System

Inside chamber is equipped with LED lights.

• Human-oriented Design

Elegant and invisible door handle.

Access port for temperature mapping, RS232/RS485 access port High quality shelves of coated steel wires with tag cards and classification marks

Cooling Performance:







	Model No.	210-300
Technical Data	Cabinet Type	Upright
,	Capacity (L)	315
,	Climate Class	N
,	Defrost Mode	Automatic
,	Refrigerant	R600a, CFC- Free
,	Cooling Method	Air Cooling
,	Compressor	1 no
,	Noise(dB(A)	≤ 56
Performance	Cooling Performance (°C)	4°C
,	Temperature Range (°C)	2°C ~ 8°C
,	Ambient Temperature (°C)	16°C ~ 32°C
Control	Controller	Microprocessor Digital Controller
	Display	Digital LED display
Function	USB Interface	Built In USB Interface
	Access Test Port	1 no. Ø 25 mm
,	Alarm	Audible & Visible : High / Low Temp., High Ambient Temp., Condenser High Temp., Sensor Failure,
		Door Ajar, Low Battery, Power Failure, Built in Data logger, USB Failure, Remote Alarm
Construction	External	Epoxy Powder coated
	Internal	ABS
	Shelves	4 Adjustable Shelves + 1coated steel wired basket
	Door Lock with Keys	YES
	Lighting	LED
	Insulation Thichness	70mm
	Caster	4 units of Universal Caster wheels with 2 Leveling Foot
	Data Logging/Time/Quantity	USB/Record every 10 minute / 2 Years
	Door with heater	Yes
	RS 485	Yes
	Remote Alarm & Battery Backup	Yes
Electrical Data	Power Supply (V/Hz)	220 V / 50Hz
	Rated Power (W)	220
	Input Power (W)	285
	Current Consumption (KWh/24h)	2.05
	Rated Current (A)	1.35
Dimensions	Internal Dimension (WxDxH)	580 x 533 x 1122 mm
	External Dimension (WxDxH)	650 x 673 x 1762 mm
	Packing Dimension (WxDxH)	734 x 749 x 1800 mm
	Net Wt. / Gross Wt.	87/99 Kgs
Optional	Accessories	Printer, RS232
		CE, ISO9001 :2015

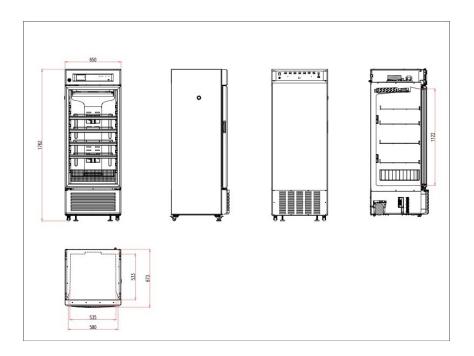
Ordering Information:

Model No.	Description
210-300	+2°C to 8°C Pharma Freezer, 315 Litres

^{*} The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.



External Dimensions:













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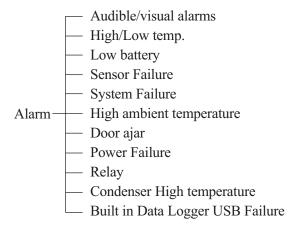


Compact and Convenience

Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.



- Built-in USB data logger, remote alarm contact
- RS232/485 interface for LIMS.
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System.
 When the primary sensor fails,
 the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.



- Air Cooling: The multi-duct vortex refrigeration system and finned evaporator can prevent frosting completely and improve temperature uniformity to a large extent
- Energy Saving: The refrigerator is equipped with "M + Energy Core" power management system and complete air cooling design, improving energy saving efficiency by more than 40%
- **Visibility:** The electrical heating + LOW-E design with double considerations can achieve a better anti-condensation effect for the glass door
- Safety: Seven temperature probes can ensure high precision of temperature control with nearly no fluctuation and thus can improve safety



Features:

• Intelligent Temperature Control:

Equipped with high-precision microcomputer temperature control system and 1 high brightness digital temperature display with a display precision of 0.1°C

Equipped with a remote alarm access port and 232/485 data access port

• Security System:

The well-developed audible & visual alarm system with multiple audible & visual alarm functions: high temperature alarm, low temperature alarm, sensor failure alarm, door opening alarm, power outage alarm

The turn-on delay and stopping interval protection function can ensure reliability in running

The door is equipped with a lock, preventing it from opening accidentally

• Data Storage:

Equipped with a USB export interface, which can be used for storing data from the last month and the current month automatically in PDF format

When a U-disk is connected, temperature data can be stored continuously and automatically (data can be stored for more than 10 years)

The printer is optional

• Lighting System:

Equipped with lighting system with LED lights, ensuring high visibility inside the cabinet

• Human-oriented:

Equipped with high-quality shelves made from PVC-coated steel wire with tag cards and classification marks, which are easy to clean

Equipped with invisible door handle, ensuring elegance of appearance

Equipped with testing port, bringing convenience to users in testing temperature inside the cabinet

• Refrigeration System:

Equipped with a compressor supplied by an international famous brand, high-efficiency air-cooled condenser and finned evaporator, ensuring fast refrigeration.





Technical Data In Ear Page Capacity (L) 400 Capacity (L) 400 Climate Class N Defrost Mode Automatic Refrigerant R600a, HCFC- Free Cooling Method Air Cooling Compressor 1 no Noise(dB(A) 56 Performance (*C) 2°C Temperature Range (*C) 2°C ~ 8°C Ambient Temperature (*C) 16°C ~ 32°C Controll Ocntroller Microprocessor Digital Controller Display Digital LED display Function Access Test Port 1 no. 0 24.5 mm Access Test Port 1 no. 0 24.5 mm Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Construction External Powder coating Shelves 7 (coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Univers		Model No.	210-400
Climate Class	Technical Data	Cabinet Type	Upright
Defrost Mode		Capacity (L)	400
Refrigerant		Climate Class	N
Cooling Method Air Cooling Compressor 1 no Noise(dB(A) 56 Performance Cooling Performance (°C) 2°C Temperature Range (°C) 2°C ~ 8°C Ambient Temperature (°C) 16°C ~ 32°C Controll Controller Microprocessor Digital Controller Display Digital LED display Function USB Interface Built In USB Interface Access Test Port 1 no. 0 24.5 mm Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Construction External Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes <		Defrost Mode	Automatic
Compressor		Refrigerant	R600a, HCFC- Free
Noise(dB(A) 56		Cooling Method	Air Cooling
Performance Cooling Performance (°C) 2°C Temperature Range (°C) 2°C - 8°C Ambient Temperature (°C) 16°C - 32°C Control Controller Microprocessor Digital Controller Display Digital LED display Function USB Interface Built In USB Interface Access Test Port 1 no. 0 24.5 mm Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Construction External Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thickness R/L - 40 mm, I/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Door with heater Yes RS232/485 Yes Rated Power (W) 280 Input Power (W) 310		Compressor	1 no
Temperature Range (°C)		Noise(dB(A)	56
Ambient Temperature (°C) 16°C ~ 32°C Control Controller Microprocessor Digital Controller Display Digital LED display Function USB Interface Built In USB Interface Access Test Port 1 no. 0 24.5 mm Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Construction External Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz Rated Power (W) 310	Performance	Cooling Performance (°C)	2°C
Control Controller Microprocessor Digital Controller Display Digital LED display Function USB Interface Built In USB Interface Access Test Port 1 no. Ø 24.5 mm Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Construction External Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz Rated Power (W) 280 Input Power (W) 310		Temperature Range (°C)	2°C ~ 8°C
Display Digital LED display		Ambient Temperature (°C)	16°C ~ 32°C
Function USB Interface	Control	Controller	Microprocessor Digital Controller
Access Test Port Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys Lighting Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50 mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity Door with heater RS232/485 Fes Electrical Data Power Supply (V/Hz) Rated Power (W) Input Power (W) Input Power (W) 310		Display	Digital LED display
Alarm Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay, Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) Rated Power (W) Input Power (W) 310	Function	USB Interface	Built In USB Interface
Construction External Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz Rated Power (W) 310		Access Test Port	1 no. Ø 24.5 mm
Construction External Powder coating Internal ABS Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thickness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz Rated Power (W) 280 Input Power (W) 310		Alarm	Audible & Visible : High / Low Temp., High Ambient Temp., Sensor Failure, Door Ajar, Relay,
Internal			Condenser High Temp., System Failure, Built in data logger USB Failure, Low Battery, Power Failure
Shelves 7(coated steel wired shelf) Door Lock with Keys YES Lighting LED Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz Rated Power (W) 280 Input Power (W) 310	Construction	External	Powder coating
Door Lock with Keys Lighting Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Fower Supply (V/Hz) Rated Power (W) Input Power (W) 310		Internal	ABS
Lighting Insulation Thichness R/L - 40 mm, U/D - 70 mm, B - 50mm Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz Rated Power (W) 280 Input Power (W) 310		Shelves	7(coated steel wired shelf)
Insulation Thichness Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity Door with heater RS232/485 Fower Supply (V/Hz) Rated Power (W) Input Power (W) Input Power (W) R/L - 40 mm, U/D - 70 mm, B - 50mm 4 units of Universal Caster wheels with 2 Leveling Foot USB/Record every 1 minute / 365 days Yes Yes RS232/485 Yes 220 V / 50Hz, 220V / 60Hz Rated Power (W) 310		Door Lock with Keys	YES
Caster 4 units of Universal Caster wheels with 2 Leveling Foot Data Logging/Time/Quantity USB/Record every 1 minute / 365 days Door with heater Yes RS232/485 Yes Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220 V / 60Hz Rated Power (W) 280 Input Power (W) 310		Lighting	LED
Data Logging/Time/Quantity USB/Record every 1 minute / 365 days		Insulation Thichness	R/L - 40 mm, U/D - 70 mm, B - 50mm
Door with heater Yes		Caster	4 units of Universal Caster wheels with 2 Leveling Foot
RS232/485 Yes		Data Logging/Time/Quantity	USB/Record every 1 minute / 365 days
Electrical Data Power Supply (V/Hz) 220 V / 50Hz, 220V / 60Hz		Door with heater	Yes
Rated Power (W) 280 Input Power (W) 310		RS232/485	Yes
Input Power (W) 310	Electrical Data	Power Supply (V/Hz)	220 V / 50Hz, 220V / 60Hz
		Rated Power (W)	280
Current Consumption (KWh/24h) 2.5	_	Input Power (W)	310
		Current Consumption (KWh/24h	2.5
Rated Current (A) 1.8		Rated Current (A)	1.8
Dimensions Internal Dimension (WxDxH) 580 x 533 x 1352 mm	Dimensions	Internal Dimension (WxDxH)	580 x 533 x 1352 mm
External Dimension (WxDxH) 650 x 673 x 1992 mm		External Dimension (WxDxH)	650 x 673 x 1992 mm
Packing Dimension (WxDxH) 734 x 749 x 2030 mm		Packing Dimension (WxDxH)	734 x 749 x 2030 mm
Net Wt. / Gross Wt. 95/108 Kgs		Net Wt. / Gross Wt.	95/108 Kgs
Optional Accessories Printer	Optional	Accessories	Printer
Others Certificate CE, ISO9001 :2015	Others	Certificate	CE, ISO9001 :2015

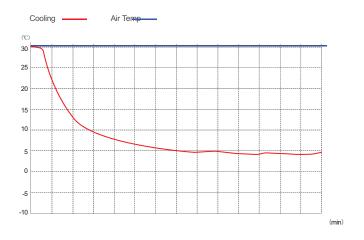
Ordering Information:

Model No.	Description
210-055	+2°C to 8°C Pharma Freezer, 55 Litres

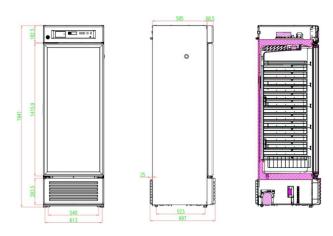
^{*} The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.



Cooling Performance:



External Dimensions:















Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.

Compact and Convenience



- Built-in USB data logger, remote alarm contact
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System. When the primary sensor fails, the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.
- RS232/485 interface for LIMS
- Alarms
- Audible/visual alarms
- High/Low temperature
- Low battery
- Sensor Failure
- Door ajar
- Power Failure

• Refrigeration System

Multi-duct vortex with finned evaporator prevents frosting and improve temperature uniformity.

• Intelligent Temperature Controller

High-precision microprocessor temperature control system with a bright LED digital display of 0.1°C temperature display precision.

• Effective Energy Saving

Effective power management system and air cooling design saves energy by more than 40%.



• Anti-condensation

Electrically heated design prevents condensation on the glass door.

• Precision

Venchal Refrigerators equipped with Seven temperature probes to ensure highly precise temperature control with almost no fluctuation.

• Security System

Self diagnostic facility and security is processed through well developed alarm system with Audible & Visual remote alarms.

• Data Storage

Data can be stored through USB or when connected to U-disk automatically even for more than 10 years.

• Lighting System

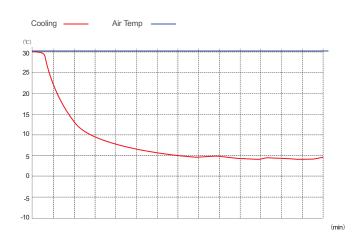
Inside chamber is equipped with LED lights.

• Human-oriented Design

Elegant and invisible door handle.

Access port for temperature mapping, RS232/RS485 access port High quality shelves of coated steel wires with tag cards and classification marks

Cooling Performance:







	Model No.	210-520
Technical Data	Cabinet Type	Upright
	Capacity (L)	525
	Climate Class	N
	Defrost Mode	Automatic
	Refrigerant	R290, CFC- Free
	Cooling Method	Air Cooling
	Compressor	1 no
	Noise(dB(A)	≤ 56
Performance	Cooling Performance (°C)	4°C
	Temperature Range (°C)	2°C ~ 8°C
	Ambient Temperature (°C)	16°C ~ 32°C
Control	Controller	Microprocessor Digital Controller
	Display	Digital LED display
Function	USB Interface	Built In USB Interface
	Access Test Port	1 no. Ø 25 mm
	Alarm	Audible & Visible : High / Low Temp., High Ambient Temp., Condenser High Temp., Sensor Failure,
		Door Ajar, Low Battery, Power Failure, Built in Data logger, USB Failure, Remote Alarm
Construction	External	Epoxy Powder coated
	Internal	Aluminum
	Shelves	6 Adjustable coated steel wired Shelves
	Door Lock with Keys	YES
	Lighting	LED
	Insulation Thichness	80mm
	Caster	4 units of Universal Caster wheels with 2 Leveling Foot
	Data Logging/Time/Quantity	USB/Record every 10 minute / 2 Years
	Door with heater	Yes
	RS 485	Yes
	Remote Alarm & Battery Backup	Yes
Electrical Data	Power Supply (V/Hz)	220 V / 50Hz
	Rated Power (W)	415
	Input Power (W)	548
	Current Consumption (KWh/24h)	3.81
	Rated Current (A)	2.49
Dimensions	Internal Dimension (WxDxH)	610 x 685 x 1264 mm
	External Dimension (WxDxH)	720 x 810 x 1961 mm
	Packing Dimension (WxDxH)	744 x 862 2055 mm
	Net Wt. / Gross Wt.	148 / 174 Kgs
Optional	Accessories	Printer, RS232
Others	Certificate	CE, IS09001 :2015

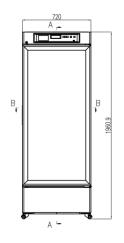
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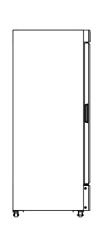
Model No.	Description
210-520	+2°C to 8°C Pharma Freezer, 525 Litres

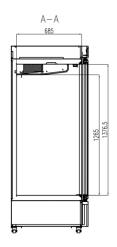
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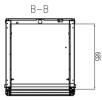
External Dimensions:





















Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.

Compact and Convenience



- Built-in USB data logger, remote alarm contact
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System. When the primary sensor fails, the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.
- RS232/485 interface for LIMS
- Alarms
- Audible/visual alarms
- High/Low temperature
- Low battery
- Sensor Failure
- Door ajar
- Power Failure

• Refrigeration System

Multi-duct vortex with finned evaporator prevents frosting and improve temperature uniformity.

• Intelligent Temperature Controller

High-precision microprocessor temperature control system with a bright LED digital display of 0.1°C temperature display precision.

• Effective Energy Saving

Effective power management system and air cooling design saves energy by more than 40%.



• Anti-condensation

Electrically heated design prevents condensation on the glass door.

• Precision

Venchal Refrigerators equipped with Seven temperature probes to ensure highly precise temperature control with almost no fluctuation.

• Security System

Self diagnostic facility and security is processed through well developed alarm system with Audible & Visual remote alarms.

• Data Storage

Data can be stored through USB or when connected to U-disk automatically even for more than 10 years.

• Lighting System

Inside chamber is equipped with LED lights.

• Human-oriented Design

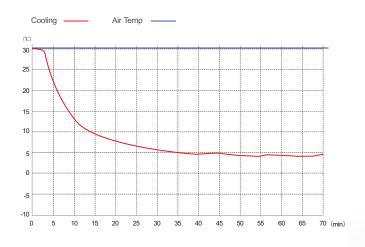
Elegant door handle.

Remote alarm access port for temperature mapping, RS232/RS485 access port

High quality shelves of coated steel wires with tag cards and classification marks

Equipped with testing port, bringing convenience to users in testing temperature inside the cabinet.

Cooling Performance:







	Model No.	210-1000
Technical Data	Cabinet Type	Upright
	Capacity (L)	1015
	Climate Class	N
	Defrost Mode	Automatic
	Refrigerant	R290a, CFC- Free
	Cooling Method	Air Cooling
	Compressor	1 no
	Noise(dB(A)	≤ 56
Performance	Cooling Performance (°C)	2°C
	Temperature Range (°C)	2°C ~ 8°C
	Ambient Temperature (°C)	16°C ~ 32°C
Control	Controller	Microprocessor Digital Controller
	Display	Digital LED display
Function	USB Interface	Built In USB Interface
	Access Test Port	1 no. Ø 24.5 mm
	Alarm	Audible & Visible : High / Low Temp., Sensor Failure,
		Door Ajar, Low Battery, Power Failure, Relay
Construction	External	PCM
	Internal	Aluminum Powder Coated / Stainless steel (Optional)
	Shelves	12 coated steel wired shelves
	Door Lock with Keys	YES
-	Lighting	LED
	Insulation Thichness	55mm
	Caster	4 units of Universal Caster wheels with 2 casters with brake
	Data Logging/Time/Quantity	USB/Record every 1 minute / 365 days
	Door with heater	Yes
	RS232/485	Yes
Electrical Data	Power Supply (V/Hz)	220 V / 50Hz, 220V / 60Hz, 110 V / 50Hz
Liootriour Data	Rated Power (W)	700
-	Input Power (W)	796
	Current Consumption (KWh/24h)	
	Rated Current (A)	3.62
Dimensions	Internal Dimension (WxDxH)	1070 x 670 x 1515 mm
פווחפווסווווס	External Dimension (WxDxH)	1180 x 900 x 1990 mm
	Packing Dimension (WxDxH)	1256 x 931 x 2115 mm
		223 / 262 Kgs
Ontional	Net Wt. / Gross Wt.	Printer
Optional	Accessories	
Others	Certificate	CE, ISO9001 :2015

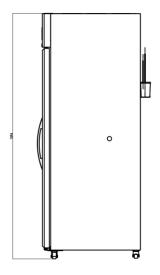
Ordering Information:

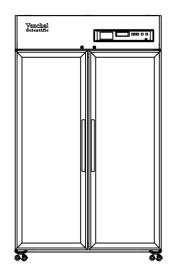
Model No.	Description
210-1000	+2°C to 8°C Pharma Freezer, 1015 Litres

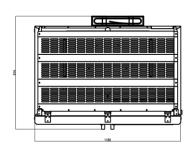
^{*} The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.



External Dimensions:















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Pharma Freezers 2°C~8°C



Venchal Scientific 210 series refrigerators are idle choice for effective sample storage.

Compact and Convenience



- Built-in USB data logger, remote alarm contact
- Automatic Defrost
- Sensor Backup Facility: Dual Sensor System. When the primary sensor fails, the secondary sensor will be activated.
- Perfect Thermal Insulation
- Access port for external temperature mapping.
- RS232/485 interface for LIMS
- Alarms
- Audible/visual alarms
- High/Low temperature
- Low battery
- Sensor Failure
- Door ajar
- Power Failure, etc.

• Refrigeration System

Multi-duct vortex with finned evaporator prevents frosting and improve temperature uniformity.

• Intelligent Temperature Controller

High-precision microprocessor temperature control system with a bright LED digital display of 0.1°C temperature display precision.

• Effective Energy Saving

Effective power management system and air cooling design saves energy by more than 40%.



• Anti-condensation

Electrically heated design prevents condensation on the glass door.

• Precision

Venchal Refrigerators equipped with Seven temperature probes to ensure highly precise temperature control with almost no fluctuation.

Security System

Self diagnostic facility and security is processed through well developed alarm system with Audible & Visual remote alarms.

• Data Storage

Data can be stored through USB or when connected to U-disk automatically even for more than 10 years.

• Lighting System

Inside chamber is equipped with LED lights.

• Human-oriented Design

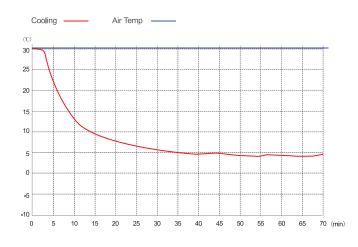
Elegant door handle.

Remote alarm access port for temperature mapping, RS232/RS485 access port

High quality shelves of coated steel wires with tag cards and classification marks

Equipped with testing port, bringing convenience to users in testing temperature inside the cabinet.

Cooling Performance:







	Model No.	210-1500
Technical Data	Cabinet Type	Upright
	Capacity (L)	1505
	Climate Class	N
	Defrost Mode	Automatic
	Refrigerant	R290a, CFC- Free
	Cooling Method	Air Cooling
	Compressor	1 no
	Noise(dB(A)	≤ 56
Performance	Cooling Performance (°C)	4°C
	Temperature Range (°C)	2°C ~ 8°C
	Ambient Temperature (°C)	16°C ~ 32°C
Control	Controller	Microprocessor Digital Controller
	Display	Digital LED display
Function	USB Interface	Built In USB Interface
	Access Test Port	1 no. Ø 25 mm
	Alarm	Audible & Visible : High / Low Temp., Sensor Failure, High Ambient Temp., Condenser High Temp., Relay,
		Door Ajar, Low Battery, Power Failure, Sensor Failure, Built in Data Logger USB Failure, Remote Alarm
Construction	External	PCM
	Internal	Stainless steel
	Shelves	18 coated steel wired shelves
	Door Lock with Keys	YES
	Lighting	LED
	Insulation Thichness	55mm
	Caster	4 units of Universal Caster wheels with 2 casters with brake
	Data Logging/Time/Quantity	USB/Record every 10 minute / 2 Years
	Door with heater	Yes
	Standard Accessory	RS 485, Remote Alarm, Battery Backup
Electrical Data	Power Supply (V/Hz)	220 V / 50Hz
Dimensions	Internal Dimension (WxDxH)	1685 x 600 x 1385 mm
	External Dimension (WxDxH)	1975 x 822 x 1975 mm
	Net Wt. / Gross Wt.	223 / 262 Kgs
Optional	Accessories	Printer, RS232
Others	Certificate	CE, ISO9001 :2015

Ordering Information:

Model No.	Description
210-1500	+2°C to 8°C Pharma Freezer, 1505 Litres

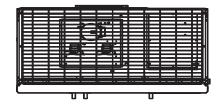
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External Dimensions:















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