



BRAVIS

COLD CHAIN PRODUCT RANGE

**Engineered to hold the
right temperature**

bravis.in

Preserving What Matters

From lifesaving vaccines to perishable commodities and industrial samples, preservation is vital across healthcare and industry. With four decades of expertise, Bravis delivers dependable cold chain systems that keep what matters most safe, stable, and ready for use.

For over 40 years, Bravis has advanced India's cold chain infrastructure with robust and precise refrigeration solutions. Our portfolio spans ultra-low temperature freezers, blood bank refrigerators, deep freezers, and transport systems—serving not only hospitals, blood banks, and laboratories, but also fisheries, oil & gas, biotechnology, and other industries where preservation is critical.

All systems are engineered and manufactured in-house at our Sonipat facility under rigorous standards, ensuring durability and performance in demanding environments. Certified by CDSCO, ISO 13485, and IEC 60601-1, Bravis products meet global benchmarks for safety and quality.

Our commitment extends beyond equipment. With a nationwide network of trained service engineers, we provide rapid installation, preventive maintenance, and dependable after-sales support—minimising downtime and keeping operations running without interruption.

Trusted by healthcare providers, government health programs, and industry leaders alike, Bravis is more than a manufacturer. We are partners in preserving what matters—whether for health, research, food, or industry.

Our Product Range

FREEZERS

Ultra Low Temperature Freezer (–86°C)	03
Plasma Freezer (–40°C)	06

REFRIGERATORS

Blood Bank Refrigerator (2–8°C)	09
Laboratory Refrigerator (2–8°C)	12
Vaccine Ice-lined Refrigerator (2–8°C)	15
Walk-in Cold Room (2–8°C / upto -30°C)	18
Mortuary Coolers (2–8°C)	21
Explosion Proof Refrigerator (2–8°C)	24

TRANSPORT BOXES

Passive Transport Box	27
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FREEZERS: ULT Series

Ultra-Low Temperature Freezer

-86°C

Bravis's Ultra-Low Temperature Freezer is a robust upright freezer designed for secure storage of sensitive biological, pharmaceutical, and clinical samples. With advanced cascade refrigeration, touchscreen digital control, and superior insulation, it ensures reliable uniform cooling to -86°C. Built for durability, safety, and compliance, it is the dependable choice for high-demand laboratory environments.



ULTRA-LOW TEMPERATURE FREEZER (ULT SERIES)

FEATURES

Robust Construction

SS-304 inner chamber with galvanized steel outer body and epoxy coating



User-Friendly Access

Ergonomic lock and handle for one hand operation



Reliable Cooling with Dual Cascade Compressors

Proprietary refrigeration system with dual cascade compressors for long-term cooling capabilities at -80°C



Physical Data Logging

7-day inkless chart recorder for data logging



Touchscreen Control

Capacitive touchscreen for temperature management, 24x7 monitoring, USB/PC interface and alarms with 24 hr power backup



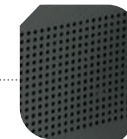
Superior Insulation

130 mm high-density polyurethane foam with triple medical-grade silicon gaskets on inner and outer doors ensures complete temperature retention



Environmentally Friendly Refrigerant

Advanced system with zero-CFC/HCFC design for safe and sustainable operation



Add-On Features (Available on additional cost)

- LN2/CO2 backup system port
- Automatic Defrost System
- Cryo Boxes
- Ice Scraper
- Printer port for temperature data print
- Voltage safety system (Stabilizer)
- Cryo Gloves

ULTRA-LOW TEMPERATURE FREEZER (ULT SERIES)

TECHNICAL SPECIFICATIONS



Type	Upright / Vertical
Temperature	-80 °C
Insulation	130-150 mm high density polyurethane foam, with the option of Vacuum Insulation Panel (VIP). Outer and Inner doors are insulated with triplicate and single medical grade silicon gasket respectively
Cabinet Construction	Outer: Galvanized steel with epoxy bacteria-resistant coating Inner: Stainless steel (SS-304), rust-free, separate insulated inner doors for each shelf Door: Ergonomic Handle with key-lock, Option of Magnetic Plunger lock controlled with touch-screen Castors: Heavy-duty with leveling adjustment Compartments: Stainless steel with individual insulated doors

Refrigeration System

Cascade refrigeration system: Dual compressor system with high efficiency components

- Cooling coils-in-shelf design for rapid freezing & uniformity
- Non-CFC/HCFC eco-friendly refrigerant
- Oil separator to protect compressor

Condenser: High-efficiency with automatic condensate evaporation

Power Supply: 220-240 V, 50 Hz (other voltages on request)

Control System: TFT touchscreen with 365-day data storage (tabular + graphical), USB & PC interface

Alarms

- Battery-operated audio alarms for power failure
- Audio-visual high/low temperature alarms
- Optional backup battery for alarms/control panel

PRODUCT MODELS *(Dimensions are site-specific and customisable to requirements)*

Type	Model No.	Capacity (L)	Cryobox Capacity (2")	Plasma Bag Capacity (350 ml)	Interior Dimensions (mm)	Exterior Dimensions (mm)
Under-Counter	ULT-100UC	100	~60	60	630 × 330 × 482	990 × 900 × 727
Vertical	ULT-333V	333	~240	240	1016 × 457 × 719	1781 × 737 × 964
	ULT-427V	427	~300	300	1301 × 457 × 719	2066 × 737 × 964
	ULT-549V	549	~400	400	1301 × 587 × 719	2066 × 867 × 964
	ULT-685V	685	~500	500	1301 × 732 × 719	2066 × 1012 × 964
	ULT-817V	817	~600	600	1301 × 874 × 719	2066 × 1154 × 964
	ULT-953V	953	~700	700	1301 × 1019 × 719	2066 × 1299 × 964
Chest	ULT-465C	465	~350	—	770 × 785 × 770	1020 × 1535 × 1140
	ULT-710C	710	~630	—		

FREEZERS: PF Series

Plasma Freezer

-40 °C

The Bravis Plasma Freezer provides reliable storage at -40 °C for plasma and other biological products requiring stable low-temperature conditions. Built with robust stainless steel interiors, eco-friendly refrigeration, and advanced insulation, it is ideal for hospitals, blood banks, and laboratories. Designed for quiet operation and high efficiency, it ensures the safe preservation of plasma with advanced monitoring, compliance features, and ergonomic access.



Features

Durable Build

Stainless Steel 304 interior, epoxy-coated GI exterior.



Secure Access and Continuous Records

Ergonomic lock with optional biometric system, chart recorder and USB logging.



Efficient System

Eco-friendly compressor with low noise.



Reliable Cooling and digital Control

Uniform -40°C environment protects plasma integrity and microprocessor with HMI options (3", 7", 10").



Superior Insulation

100-125 mm high-density polyurethane foam insulation with triplicate medical grade silicon gasket seal



Add-On Features (Available on additional cost)

- USB data logging and printer
- GSM/SMS alert system
- Magnetic or biometric lock integration
- Voltage stabilizer and generator backup

PLASMA FREEZER (PF SERIES)

TECHNICAL SPECIFICATIONS



Type	Upright / Vertical and Chest Models
Temperature Range	-40 °C
Insulation	100-125mm high density polyurethane foam with triplicate medical grade silicon gasket sealing
Cabinet Construction	Outer: Epoxy-coated galvanized steel (bacteria-resistant) Inner: Stainless steel (SS-304), rust-free, easy to clean Door: Stainless Steel Panel, Ergonomic handle with key-lock, option of magnetic plunger lock controlled by touch-screen Compartments/Shelves: Stainless steel shelves with insulated inner doors (for upright models)
Air Circulation	Forced-air circulation for temperature uniformity

Refrigeration System	High Performance refrigeration system with non-CFC/non-HCFC refrigerants for long-term durable usage Power Supply: 220-240 V, 50 Hz (other voltages on request) Control System: Microprocessor-based controller with HMI options (3", 7", 10")
Monitoring & Data	- USB & PC interface for data logging - Inkless chart recorder (7-day) 365-day data storage (tabular + graphical) available on advanced models
Alarms	- Battery-operated audio/visual alarms for power failure - High/low temperature alarms - Door open alarms - Optional backup battery for alarm and control systems

PRODUCT MODELS *(Dimensions are site-specific and customisable to requirements)*

Type	Model No.	Capacity (L)	Cryobox Capacity (2")	Plasma Bag Capacity (350 ml)	Interior Dimensions (mm)	Exterior Dimensions (mm)
Under-Counter	PF-100UC	100	~60	60	630 × 330 × 482	990 × 900 × 727
Vertical	PF-333V	333	~240	240	1016 × 457 × 719	1781 × 737 × 964
	PF-427V	427	~300	300	1301 × 457 × 719	2066 × 737 × 964
	PF-549V	549	~400	400	1301 × 587 × 719	2066 × 867 × 964
	PF-685V	685	~500	500	1301 × 732 × 719	2066 × 1012 × 964
	PF-817V	817	~600	600	1301 × 874 × 719	2066 × 1154 × 964
	PF-953V	953	~700	700	1301 × 1019 × 719	2066 × 1299 × 964
Chest	PF-465C	465	~350	—	770 × 785 × 770	1020 × 1535 × 1140
	PF-710C	710	~630	—		

REFRIGERATORS: BBR Series

Blood Bank Refrigerator

2-8°C

The Bravis BBR Series ensures safe and uniform storage of blood and blood components between +2°C and +8°C. Its advanced air circulation system guarantees uniform temperature distribution, while triple-pane heated glass doors ensure visibility without condensation. With stainless steel interiors, precise microprocessor controls, and extensive alarm systems, these refrigerators are designed for hospitals and blood banks that demand reliability, safety, and uninterrupted performance.



BLOOD BANK REFRIGERATOR (2-8°C) BBR SERIES

FEATURES

Durable Build

Stainless Steel 304 interior,
epoxy-coated GI exterior



Visibility

Internal LED lighting for
full visibility



Ergonomic handle

Handle with key-lock,
made for high-intensity
usage



Efficient Insulation

80 mm PU foam with
magnetic gaskets



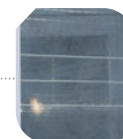
Digital Control

Microprocessor with HMI
(1", 4", 7")



Continuous Records

Chart recorder and USB
logging.



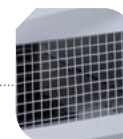
Reliable Cooling

Uniform +2 °C to +8 °C
environment with air circulation.



Glass Doors

Triple-pane heated glass
prevents condensation



Forced air circulation system

For uniform distribution
of temperature to prevent
temperature irregularities in
the cabinet



Add-On Features (Available on additional cost)

- USB data extraction and event logging
- Voltage stabilizer
- Magnetic or biometric lock integration
- Battery backup for alarms
- Flexible shelving options

BLOOD BANK REFRIGERATOR (2-8°C) BBR SERIES

TECHNICAL SPECIFICATIONS



Type	Upright Glass-Door Refrigerators
Temperature Range	+2 °C to +8 °C
Monitoring	Chart recorder, alarms, USB logging
Controls	Microprocessor with HMI
Doors	Triple-pane heated glass, ergonomic lock
Insulation	80 mm PU foam
Construction	Outer epoxy-coated GI, Inner Stainless Steel 304
Air Circulation	Forced air system
Power	220-240 V, 50 Hz

Type	Model No.	Capacity (L)	Storage Capacity (Plasma Bags 450 ml / 350 ml)	Interior Dimensions (mm)	Exterior Dimensions (mm)
Single Door	BBR-223	223	120 / 150	610 × 600 × 610	1125 × 760 × 775
	BBR-315	315	180 / 225	862 × 600 × 610	1377 × 760 × 775
	BBR-402	402	240 / 300	1100 × 600 × 610	1615 × 760 × 775
	BBR-500	500	300 / 375	1366 × 600 × 610	1881 × 760 × 775
	BBR-585	585	360 / 450	1600 × 600 × 610	2115 × 760 × 775
Double Door	BBR-905DD	905	480 / 600	1100 × 1350 × 610	1615 × 1510 × 775
	BBR-1124DD	1124	600 / 750	1366 × 1350 × 610	1881 × 1510 × 775

(Dimensions are site-specific and customisable to requirements.)

REFRIGERATORS: LR Series

Laboratory Refrigerator

2-8°C

The Bravis Laboratory Refrigerators are engineered to provide precise, reliable, and quiet cold storage between +2°C and +8°C for laboratory reagents, chemicals, and diagnostic kits. Designed with modular sizes from compact under-counter units to large vertical double-door models, they combine robust SS/PPGI construction, superior insulation, and advanced monitoring to deliver uncompromised reliability. Their flexible shelving, quiet operation, and customizable options make them an ideal solution for research labs, testing facilities, and institutional use.



LABORATORY REFRIGERATOR (2-8°C) LR SERIES

FEATURES

Digital Control:

Temperature display with $\pm 0.5^{\circ}\text{C}$ accuracy, data logging and optional central monitoring



Flexible Storage Options:

Toughened glass shelves, wire mesh drawers, or stainless steel pull-out drawers.



User-Friendly Access: One-hand operation lock system, door opening up to 110° , with optional solid or double-pane glass doors



Durable Construction: Inner Stainless Steel 304 with epoxy-coated galvanized iron exterior for long service life.



Superior Insulation: 80 mm high-density polyurethane foam with magnetic gaskets ensures fool-proof temperature retention.



Full Visibility: Internal LED lighting for clear visibility of stored contents.



Quiet Operation: Low-noise refrigeration system suited for laboratory environments.



Add-On Features (Available on additional cost)

- IoT-based centralized temperature monitoring system (Bluetooth/Wi-Fi/GSM)
- USB data logger and thermal printer
- Voltage stabilizer and generator backup
- Chart recorder for regulatory compliance
- Battery backup for alarms and control unit

TECHNICAL SPECIFICATIONS



Temperature Range	+2 °C to +8 °C (ambient up to 43 °C).
Capacity Range	129 L to 1350 L.
Insulation	80 mm high-density polyurethane foam with silicon gaskets.
Construction	Inner SS 304; Outer epoxy-coated GI or PPGL.
Doors	Solid or double-pane glass; self-closing with ergonomic lock.
Shelving	Adjustable SS/glass/mesh shelving systems.
Air Circulation	Forced-air cooling for temperature uniformity.

Control System	Microprocessor with 1", 4", or 7" HMI options; USB interface for data extraction.
Monitoring & Logging	Continuous temperature logging, event logging, and optional IoT integration.
Alarms	Audio-visual alarms for temperature deviation, door open, probe fault, and power failure; battery backup for alarms.
Lighting	Internal LED illumination ≥150 lux.
Compliance	ISO 13485:2016, CDSCO Class B, IEC 60601-1.
Power Supply	220–240 V AC, 50 Hz.

PRODUCT MODELS *(Dimensions are site-specific and customisable to requirements)*

Type	Model No.	Capacity (L)	Interior Dimensions (mm)	Exterior Dimensions (mm)
Under Counter	LR-129UC	129	610 × 460 × 460	975 × 620 × 575
Vertical	LR-223V	223	610 × 600 × 610	1125 × 760 × 765
	LR-315V	315	862 × 600 × 610	1377 × 760 × 765
	LR-402V	402	1100 × 600 × 610	1615 × 760 × 765
	LR-500V	500	1366 × 600 × 610	1881 × 760 × 765
	LR-585V	585	1600 × 600 × 610	2115 × 760 × 765
Vertical Double Door	LR-905VD	905	1100 × 1350 × 610	1615 × 1510 × 765
	LR-1124VD	1124	1366 × 1350 × 610	1881 × 1510 × 765
	LR-1350VD	1350	1640 × 1350 × 610	2155 × 1510 × 765

REFRIGERATORS: ILR Series

Vaccine Ice Lined Refrigerators

2-8°C

The Bravis Vaccine Refrigerators are engineered for the reliable preservation of vaccines in challenging environments. Equipped with FreezeShield™ Technology to prevent freezing damage, PowerLite™ Holdover ensuring up to 72 hours of autonomy at 43°C ambient, and VisiTemp™ RTM for real-time monitoring, these units deliver safe, stable storage between +2°C and +8°C. Rugged, efficient, and user-friendly, they are the trusted choice for immunization programs, hospitals, and remote health facilities.



VACCINE ICE LINED REFRIGERATORS (ILR SERIES)

FEATURES

Superior Insulation

100–120 mm polyurethane panels with magnetic gasket for temperature retention.



Robust Construction

Inner Stainless Steel 304 and outer PPGI or epoxy-coated GI for durability.



Uniform Cooling

Forced air circulation ensures consistent +2 °C to +8 °C across the cabinet.



Ergonomic Access

One-hand operation lock and wide-opening door for easy loading/unloading.



PowerLite™ Holdover

Maintains vaccine safety for up to 72 hours during power outages



FreezeShield™ Protection

Prevents accidental freezing of vaccines even under unstable conditions.



Digital Control with VisiTemp™

Microprocessor controller with temperature display, alarms and log with real-time temperature monitoring.



Add-On Features (Available on additional cost)

- GSM/SMS alarm system
- Data logger with USB extraction
- Chart recorder
- Battery backup for monitoring system
- Voltage stabilizer
- Caster wheels for mobility

VACCINE ICE LINED REFRIGERATORS (ILR SERIES)

TECHNICAL SPECIFICATIONS



International
Electrotechnical
Commission



Type	Vaccine Ice Lined Refrigerator
Temperature Range	+2 °C to +8 °C
Holdover Time	72 hours at 43 °C ambient
Insulation	100–120 mm polyurethane foam
Door	Ergonomic lockable door with gasket seal
Control	Microprocessor with alarm and display
Construction	Inner SS 304; Outer PPGL or epoxy-coated GI
Circulation	Forced air system for uniform cooling
Power	220–240 V, 50 Hz
Monitoring	VisiTemp™ RTM with optional GSM alerts

REFRIGERATORS

Walk in Cold Room

2-8°C / upto -30°C

The Bravis Walk-In Coolers and Freezers are modular cold storage systems designed for pharmaceuticals, plasma, vaccines, and laboratory reagents. With customizable volumes, rugged SS/PPGI construction, and advanced monitoring, they provide reliable protection even in harsh ambient conditions. Walk-In Coolers maintain +2°C to +8°C, while Walk-In Freezers reach down to -40°C, ensuring uninterrupted storage with integrated power backup options.



WALK IN COLD ROOM (2-8°C / UPTO -30°C)

FEATURES

Customizable Volumes

Modular panel-based design tailored to site requirements

Dual Temperature Range

Coolers (+2 °C to +8 °C);
Freezers (down to -30 °C)

Durable Panels

SS 304 or PPGI with
cam-lock assembly

Superior Insulation

100-120 mm polyurethane
foam for thermal efficiency

Power Backup: Equipped with battery backup for monitoring, servo stabilizer, and DG set integration for extended outages



Dual Refrigeration

100% standby system with
automatic duty cycling

Advanced Monitoring

Integrated digital systems with
real-time logging, alarms, and
data export

Secure Doors

Self-closing insulated doors
with safety release, optional
view ports, and PVC strip
curtains

Uniform Cooling

Forced-air evaporators and
condensers with auto-defrost

WALK IN COLD ROOM (2–8 °C / UPTO –30 °C)

TECHNICAL SPECIFICATIONS



Temperature Range	Coolers: +2 °C to +8 °C (ambient up to 43 °C); Freezers: down to –30 °C
Insulation	100–120 mm polyurethane foam (40 kg/m ³ density), optional extruded polystyrene inserts; U-value ≤ 0.17 W/mK
Panel Construction	Modular cam-lock panels; Inner: SS 304 / PPGI; Outer: SS 304 / PPGI
Doors	Flush-type, self-closing, heated seals, safety release from inside, optional viewing port; PVC strip curtains fitted
Lighting	Ceiling-mounted LED luminaires; ≥150 lux at lowest shelf; external switch with pilot light
Refrigeration System	Dual hermetic/scroll compressors, eco-friendly refrigerants, oil separator, forced-air condensers/evaporators, automatic defrost
Temperature Control & Monitoring	Microprocessor controller with ±0.5 °C accuracy, real-time display, 10,000+ record logging, USB data export, 7-day inkless chart recorder, event logging, IoT-ready (Bluetooth/Wi-Fi/GSM)
Alarms	Battery-supported audio-visual alarms for high/low temperature, power failure, door open, probe failure
Shelving	SS 304 perforated adjustable racks, 600 mm wide, washable, ≥0.075 kg/cm ² load
Power Supply & Backup	220–240 V single phase / 380–400 V three phase, 50 Hz; automatic stabilizer; battery backup for monitoring; DG set integration for extended outages
Certifications	ISO 13485:2016, ISO 9001:2015, CDSCO Class B, FDA, IEC 60601-1

REFRIGERATORS: WMC Series

Mortuary Coolers

2-8°C

The Bravis Mortuary Chambers are engineered for the safe, hygienic, and respectful storage of cadavers. Available in capacities from 1 to 48 bodies, these chambers are suitable for hospitals, medical colleges, and forensic institutions. With dual temperature settings (+2°C to +8°C for short-term storage and down to -20°C for long-term storage), robust stainless steel or PPGL construction, and high-grade insulation, they combine durability, safety, and easy operation with advanced digital monitoring.



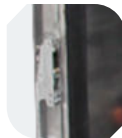
MORTUARY COOLERS (2-8°C) WMC SERIES

FEATURES

Superior Insulation: 80-120 mm polyurethane panels with magnetic gaskets.



Safe Access: Ergonomic locking insulated doors with smooth tray movement.



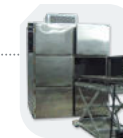
Digital Controls: Microprocessor-based controller with HMI (1", 4", 7").



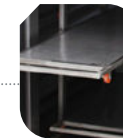
Durable Construction: Choice of SS 304 or PPGI interiors and exteriors.



Flexible Capacity: Single-body to 48-body configurations available.



Customizable Trays: Roller-based or carriage-based trays, with hydraulic lifting options.



Continuous Monitoring: Chart recorders and alarms with battery backup.



Add-On Features (Available on additional cost)

- Hydraulic lifting system
- IoT-based central monitoring
- Chart recorder and thermal printer
- GSM/SMS alarm alerts
- Voltage stabilizer or diesel generator backup
- Heavy-duty castors for smaller units

MORTUARY COOLERS (2-8°C) WMC SERIES

TECHNICAL SPECIFICATIONS



Capacity Range	1 to 48 bodies
Temperature Options	+2 °C to +8 °C (short term) / down to -20 °C (long term)
Insulation	80-120 mm high-density polyurethane, foamed in place
Panel Construction	SS 304 or PPGL inner and outer finish
Doors	Insulated SS doors with ergonomic locks and gasket sealing
Trays	Stainless steel, roller-based or carriage-based
Air Circulation	Forced-air cooling for uniformity
Control System	Microprocessor with digital HMI; alarms for temperature, door, and power failure
Compliance	IEC 60601-1, ISO 13485:2016, CDSCO Class B certified
Power Supply	220-240 V, 50 Hz (other voltages on request)

Model No.	Capacity	Temp Range	Panel Thickness	Door Options	Tray System
WMC-1	1 body	+2 °C to +8 °C / -20 °C	80-100 mm	Single	Telescopic
WMC-2	2 bodies	+2 °C to +8 °C / -20 °C	80-100 mm	2 small doors	Carriage / Roller
WMC-4	4 bodies	+2 °C to +8 °C / -20 °C	100-120mm	2 or 4 doors	Carriage / Roller
WMC-8	8 bodies	+2 °C to +8 °C / -20 °C	100-120 mm	4 or 8 doors	Carriage / Roller
WMC-12	12 bodies	+2 °C to +8 °C / -20 °C	100-120 mm	Multiple	Roller
WMC-24	24 bodies	+2 °C to +8 °C / -20 °C	100-120 mm	Multi-door	Roller
WMC-48	48 bodies	+2 °C to +8 °C / -20 °C	100-120 mm	Modular chamber	Roller + Hydraulic Lift

(Dimensions are site-specific and customisable to requirements.)

REFRIGERATORS: EXR Series

Explosion Proof Refrigerator

2-8 °C

Bravis Explosion-Proof Refrigerators are engineered for safe storage of flammable reagents, samples, and chemicals in environments where explosive atmospheres may be present (Zone 0 and Zone 1). With a spark-free interior, durable stainless-steel construction, and intelligent monitoring, these refrigerators deliver secure and reliable +2 °C to +8 °C storage. They are the ideal choice for chemical labs, process industries, and hazardous-area facilities demanding safety and precision.



EXPLOSION PROOF REFRIGERATOR (2-8°C) EXR SERIES

Features

Durable Cabinet: Inner Stainless Steel 304, outer epoxy-coated galvanized iron or stainless



Zone 0/1 Compatibility: Safe for use in areas with continuous or occasional explosive atmospheres



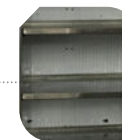
Microprocessor : Microprocessor with alarms and voltage-free contact for integration with facility monitoring systems



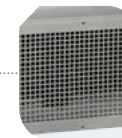
Ergonomic Access: Lockable door, wide opening angle for easy handling



Spark-Free Design: Non-sparking components and fittings eliminate ignition sources



Uniform Cooling: Forced-air system ensures tight temperature stability across the cabinet



TECHNICAL SPECIFICATIONS



Temperature Range	+2 °C to +8 °C
Capacities	300 L, 450 L, 650 L
Construction	Stainless steel interior; epoxy-coated GI or stainless exterior
Insulation	High-density polyurethane foam, 80 mm
Cooling System	Spark-free compressor and fans, uniform airflow
Controls	Microprocessor, digital display, alarms (temp/power/door)
Monitoring	USB data logging; optional chart recorder
Power Supply	220-240 V, 50 Hz

Type	Model No.	Capacity (L)	Shelves (Std.)	Exterior Dimensions (mm)
Upright	EXR-450V	450	5	1125 × 760 × 775
	EXR-600V	600	6	1377 × 760 × 775
	EXR-750V	750	6-7	1615 × 760 × 775
	EXR-900V	900	7	1881 × 760 × 775

(Dimensions are site-specific and customisable to requirements.)

TRANSPORT BOXES

Passive Transport Box

-80 °C

The Bravis Passive Transport Boxes are designed for the safe, temperature-controlled transport of vaccines, medicines, organs, blood, and other critical biological materials. Built with superior insulation and robust construction, they provide reliable cold storage without active power sources. Their energy-efficient and eco-friendly design ensures secure protection throughout the cold chain, making them indispensable for hospitals, blood banks, and immunisation programs.



Gross Volume Options	20L to 100L
Net Usable Volume	15L to 96L
Cold life (Hold-over Time)	Up to 72 hours (Depending on configuration and external temp.)
Cooling Methods	Passive cooling via PCM Packs
Outer Material	Epoxy-coated Mild Steel (MS)
Inner Material	SS 304 Stainless Steel
IoT Compatibility	Yes (optional module with mobile app monitoring) Monitoring Parameters (with IoT) Internal Temp, Ambient Temp, Opening Events, Power Status
Locking Mechanism	Sealable & lockable clasps to prevent unauthorized access
Hygiene Design	No inaccessible corners; easy to clean and disinfect
Handles & Latches	Ergonomic, durable for flexible handling
Drop Resistance	Drop-tested for rugged transport and impact resistance

PASSIVE TRANSPORT BOX

FEATURES



Performance & Reliability

- Maintains stable cold chain for up to 72 hours without active power.
- Proven thermal reliability in field conditions and long-distance transport.
- Flexible use cases: vaccines, medicines, blood, plasma, and organ transport.



Ease of Use

- Simple PCM pack arrangement ensures hassle-free operation.
- Quick loading/unloading with wide lid opening.
- Lightweight build makes units easy to carry, even when fully loaded.



Durability & Safety

- Drop-tested for rugged handling during transport and distribution.
- Lockable clasps provide protection against tampering or accidental opening.
- Ergonomic handles designed for safe carrying by one or two users.



Smart Monitoring (Optional)

- IoT-enabled system provides real-time tracking via mobile app.
- Records transport events like door opening, ambient changes, and holdover duration.
- Enhances traceability for regulatory and compliance needs.

BRAVIS

Bravis Innovations engineers dependable cold-chain systems for healthcare, research and industry. Built on four decades of Indian manufacturing expertise, our products are designed, engineered and manufactured at our Sonipat headquarters, with service support available across India. From laboratory and blood-bank refrigeration to ultra-low-temperature storage, cold rooms and transport solutions, every Bravis system is built to protect temperature-sensitive materials with precision and reliability. Combining robust engineering, responsive service and global quality standards, Bravis delivers critical storage technology that organisations can trust.

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