



KEEPKOOOL

System for Cold Chain Logistic



Keeping Fresh & Cool

Cool Transport Containers

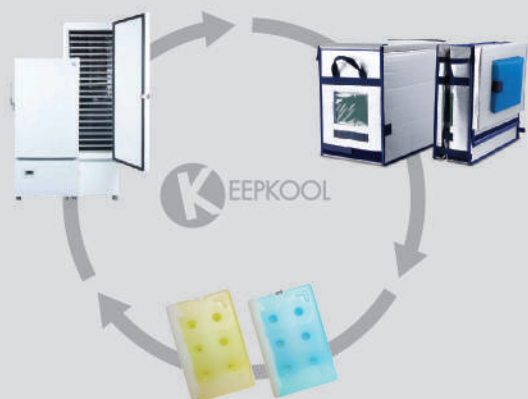
Cool Container
Cool Box

Ice Pack

Chiller Ice Pack -5°C
Frozen Ice Pack -25°C

Eutectic Plate Freezer

PF-10,12
PF-20,22



Advantages

1. Safety & easy to use
2. Reduce transportation cost
3. Dry, Chiller, Freezer Temperature can be delivered in the same time in one car
4. Cool Temperature can be maintained in prolonged periods



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Eutectic Plate Freezer

PF-10,12,20,22

Eutectic Plate Freezer Systems are used as an alternative to traditional cooling method used to maintain a Cold Chain. The Reliable, environmentally friendly systems are based on re-usable energy, are extremely flexible and can be used for Chilled or Frozen Products. The Virtually maintenance free plates can be set to maintain various temperatures for different applications.



Time to freeze Ice Pack required



Model	PF-10	PF-12	PF-20	PF-22
Ice Pack Quantity	50	60	100	120
Shelf	10	12	20	22
Weight (kg.)	155	155	230	230
Capacity (litre)	190		320	
Outside Dimension(mm.)	680 x 920 x 1458		680 x 920 x 1907	
Absorbed Power	4.20AMP/714Watt		8.40AMP/1428Watt	
Shelf Dimension (mm.)	475 x 650			
Material	PPGI/Aluminum			
Cooling System	Digital Controller			
Temperature Range	For Chilled Ice Pack : -10°C to -20°C / For Frozen Ice Pack : -30°C to -40°C			
Refrigerant Type	R-404A			

Cool Box

CC-PV,XV

Design concept : improved insulation effect by VIP, decreasing demand on refrigerants and dry ice, strengthening load bearing by inner insulation structure, foldable and easy for storage and transportation Application on relatively long-hour storage offrozen food Thermal conductivity : <math>< 8.0\text{mw/m.k}</math>

Option

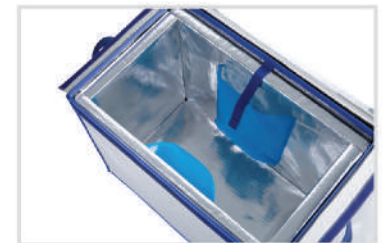
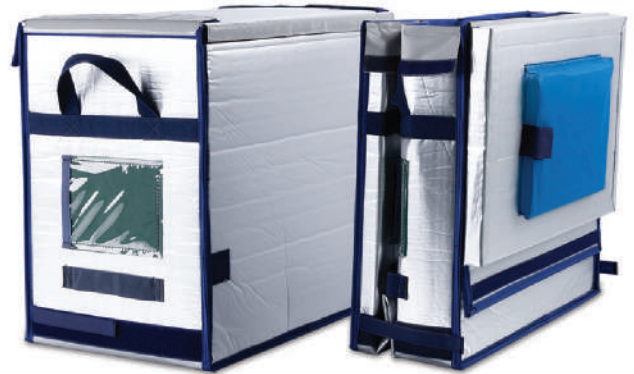
Deep cold boxes on demand for different capacities

Applications

Transportation of fresh food and frozen food
 Transportation and storage of special chemicals and pharmaceuticals
 Relatively long-hour delivery of low-temperature products

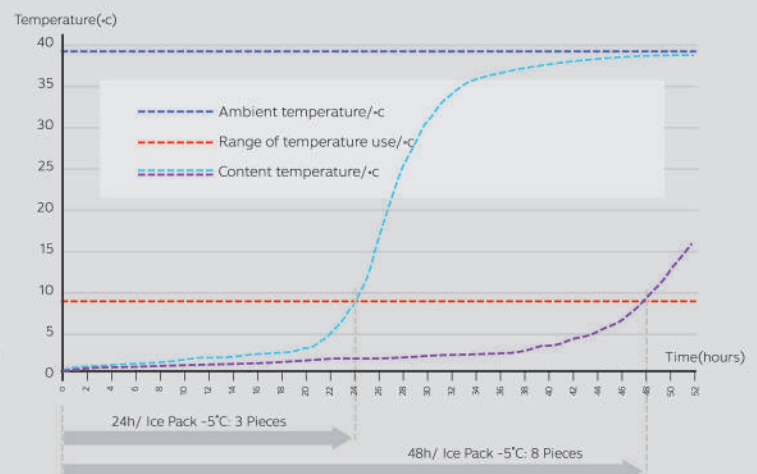
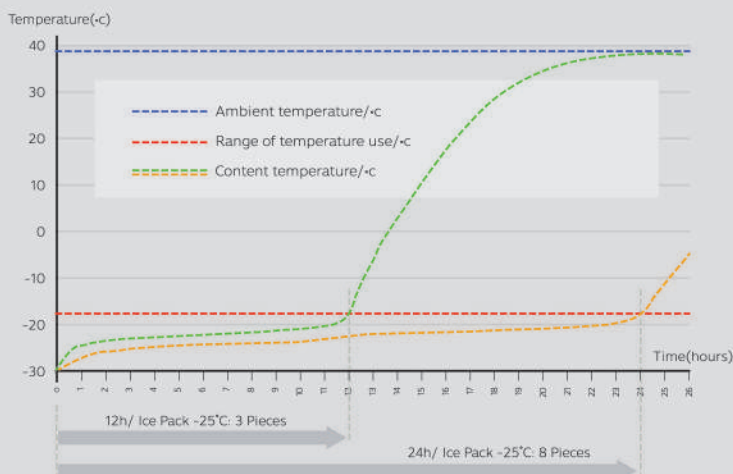
Performances

Ambient temperature : constanr +35°C
 Internal temperature : below 8°C within 36h
 Contents : Pre-Cool food



Model	Insulation	Capacity(litre)	Dimension(mm.)		Weight(kg.)
			Internal	External	
CC-PV 50L	PU+VIP	50	L480 x W300 x H350	L550 x W370 x H420	3.2
CC-XV 50L	XPS,PU+VIP(Bottom Side)				6.0
CC-PV 70L	PU+VIP	72	L520 x W300 x H460	L600 x W380 x H540	4.0
CC-XV 70L	XPS,PU+VIP(Bottom Side)				7.6

Testing Data



Cool Container

CC-X

Design concept : Application on transportation and storage of chilled food and frozen it can be shipping as mixed 2 temperatures in single box, by using the insert panel which is temperature divider in the center of box.

Option

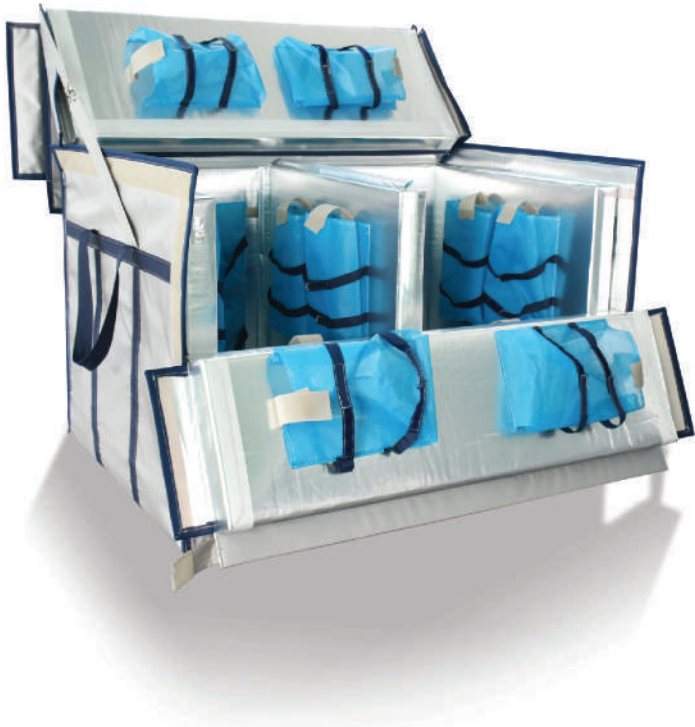
Outer materials on demand for different service condition

Applications

Transportation of fresh food and frozen food
 Transportation and preservation of fresh food and chilled food

Performances

Able to shipping 2 types product, or 2 temperatures in the same box, within 15 hours



Model	Insulation	Capacity(litre)	Dimension(mm.)		Weight(kg.)
			Internal	External	
CC-X 345L	XPS	345	L930 x W640 x H580	L1060 x W770 x H710	17

ICE PACK 1000G.



Model	-5°C	-25°C
Dimension (mm.)	280 x 180 x 30	
Color	Blue with Black cap	Yellow
Freezing temperature required by Freezer	<-15°C	<-35°C
Latent heat of fusion(kj/kg)	314	230
Melting Point(°c)	-3	-24
Specific gravity	1.05	1.11
Specific heat	>Melting point	0.92
	<Melting point	0.56
Expansion rate after precooling(%)	10.9	5.0
pH	6	6