

KoolTemp™ GTS-52 Shipping System

Pre-Qualified Cold Chain Solutions

Product Features

- **Universal** (year-round packout) – pre-qualified at 2°C to 8°C for 96 hours
- **Easy packout** – a simple 1-2-3 packout using our Koolit® refrigerants
- **Lightweight** – at ~44 lbs., holds payloads up to 3¾" x 3¾" x 8⅝"
- **Thoroughly tested** – pre-qualified for minimum and maximum loads
- **Environmentally safe** – reusable shipper contains no ozone-depleting chemicals

The KoolTemp GTS-52 shipping system maintains small payloads from 2°C to 8°C for 96 hours under extreme weather conditions. The GTS-52 is an excellent thermal solution for long-term domestic and international shipments of valuable vaccines, pharmaceutical products, and blood. A member of the innovative GTS line, the GTS-52 features a payload area that is 3¾" x 3¾" x 8⅝". This smaller-sized solution joins CCT's GTS series, which features small (GTS-35) to pallet-sized (GTS-5420) products. By offering a wide range, the size of the product payload can be closely matched to the size of the GTS solution's payload. This presents the opportunity to control shipping costs.

The GTS-52 features CCT's proprietary, environmentally safe, high R-value custom



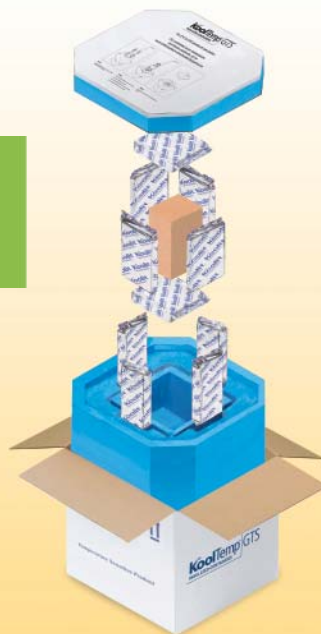
KoolTemp GTS-52 Shipping System

molded polyurethane (PUR). CCT's PUR formulation is non-ozone depleting (no CFCs or HCFCs), and is EPA compliant. The PUR is designed to minimize temperature gradients and optimize thermal efficiency. Along with the rest of the GTS series, the GTS-52 has been pre-qualified at minimum and maximum loads, under summer and winter conditions, in our ISTA-certified and cGMP compliant labs. Payload specific qualification is available. The GTS-52 has also been qualified for -20°C using dry ice.

The GTS-52's simple universal packout minimizes costs, including labor and turnaround time. It includes pre-charged Koolit bricks that are fit into separate coolant compartments away from the product area. The entire container is thermally sealed when the hard cover is fit securely onto the base. The modular design of the GTS-52 allows for reuse under proper conditions, and replacement when necessary.

Contact us for more information about the GTS-52 and the rest of the GTS series.

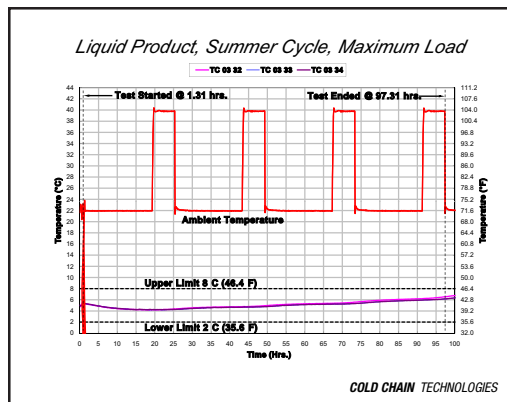
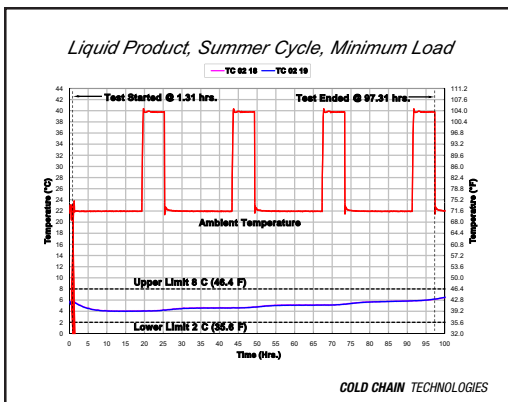
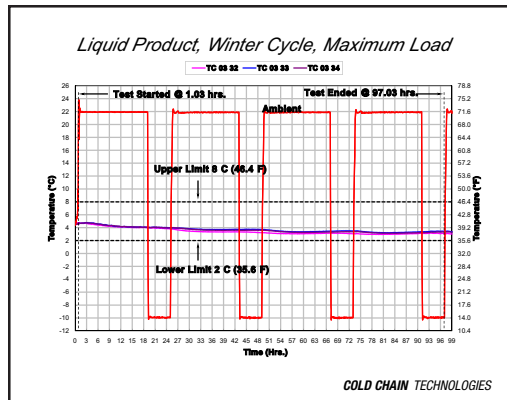
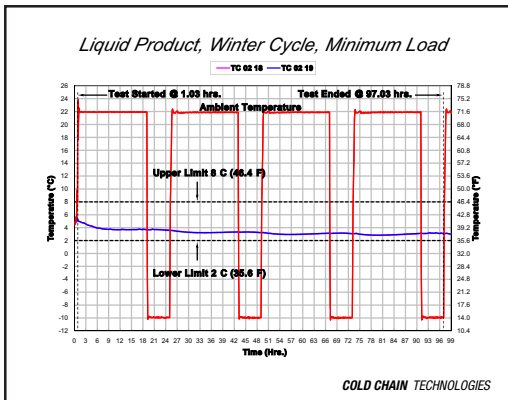
For a complete product listing,
visit our website at
www.coldchaintech.com.



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TECHNOLOGIES
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KoolTemp GTS-52 Specifications

Part Number	Standard Components	Quantity per System	Quantity per Case	Dimensions (L x W x H)
GTS-52 Shipping System GTS-52-KD Knocked Down GTS-52-SU Set Up				19 ⁷ / ₈ " x 19 ⁷ / ₈ " x 21 ³ / ₄ " OD
U52-MT	Rigid Molded PUR Lid Height includes full thickness of lid. Includes white B-flute packout instructions.	1	—	19 ³ / ₈ " x 19 ³ / ₈ " x 2 ³ / ₄ " OD
U52-MB	Rigid Molded PUR Base	1	—	19 ³ / ₈ " x 19 ³ / ₈ " x 17 ³ / ₄ " OD
U52-MI	Rigid Molded Inner Container	1	—	8 ¹ / ₄ " x 8 ¹ / ₄ " x 13 ¹ / ₄ " ID
305F	Koolit® Refrigerant Bricks	4	12	9" x 4" x 1 ¹ / ₂ "
336F	Koolit® Refrigerant Bricks	2	8	8" x 8" x 2"
337F	Koolit® Refrigerant Bricks	4	8	9" x 6" x 2"
040409-C	Payload Box, RSD, E-Flute	1	—	3 ³ / ₄ " x 3 ³ / ₄ " x 8 ⁵ / ₈ " ID
191920-C	Outer Corrugated Container, C-Flute	1	—	19 ⁷ / ₈ " x 19 ⁷ / ₈ " x 21 ³ / ₄ " OD
Total Shipping Weight (without product payload)				~ 44.4 lbs.



Time-temperature graphs illustrate performance of the KoolTemp GTS-52 under the varied testing conditions. Ambient temperatures are displayed with red lines, and 2°C to 8°C temperature boundaries are displayed with black lines. Internal payload temperatures measured by thermocouples during testing are shown with multiple colored lines.

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