



* typical pack-out shown,
pack-outs may vary depending
on requirement.

TOWER's KT400D-60

A unique temperature-controlled packaging solution within the Life Sciences and Healthcare marketplace for the transportation of deep-frozen shipments with a required internal temperature range of -80°C to -60°C to during transit.

- The KT400D-60 can be pre-conditioned and pre-configured ready for shipment
- Under 60 seconds product load time creates minimal exposure to dry-ice and no stress to product during loading
- No dry ice top up so no risk of compliance failure or breakages
- 120+ hours consistent -80°C to -60°C air temperature is created throughout the payload.
- The product is suspended during transit reducing risk of breakages
- Prevents breakages caused by temperature inconsistencies within the container
- Load space is consistent throughout transportation
- Fully compliant
- Fully reusable container and recyclable internal structure

Already trusted by over 30 of the world's leading Pharma and 3PL providers the KT400D-60 provides $<-60^{\circ}\text{C}$ deep-frozen transport for their valuable and highly sensitive products.

The KT400D-60 is ideally suited for

Primary Packaging

- Sartorius Celsius® FFT shell system
- Varying drum sizes
- RoSS® containers
- Mylar bags
- HDPE bottles
- Nalgene bottles
- Single API drums
- Clamshells
- Cryoboxes
- Cylinders
- Mueller drums
- CurTec drums

Life Science Products

- Coronavirus vaccine
- API & diagnostic kits
- Biopharmaceutical solutions
- Diagnostics specimen samples
- Cell Lines
- Bacteria
- Micro organisms
- Proteins and other samples and solutions

TOWER has developed a comprehensive suite of bespoke client payload solutions which meet the industry's stringent product integrity demands, currently there are multiple pack-out configurations available.

Metric measurements and data

TOWER packaging instruction (Tinst #)	Performance hours	Min Temp (°C)	Max Temp (°C)	External Dimensions			Payload Volume ltrs	Payload Dimensions			Weight	
				L (mm)	W (mm)	H (mm)		L (mm)	W (mm)	H (mm)	Tare Weight (kgs)	Vol Weight (kgs)
Tinst025	120	-100	-60	1200	800	1050	188	705	454	588	68	168
Tinst085	120	-100	-60	1200	800	1050	164	830	430	460	68	168
Tinst096	120	-100	-60	1200	800	1050	139	780	515	345	68	168
Tinst127	120	-100	-60	1200	800	1050	210	789	522	509	68	168

Imperial measurements and data

TOWER packaging instruction (Tinst #)	Performance hours	Min Temp (°F)	Max Temp (°F)	External Dimensions			Payload Volume ft³	Payload Dimensions			Weight	
				L (in)	W (in)	H (in)		L (in)	W (in)	H (in)	Tare Weight (lb)	Vol Weight (lb)
Tinst025	120	-148	-76	47.2	31.5	41.3	6.6ft	27.8	17.9	23.1	150	370
Tinst085	120	-148	-76	47.2	31.5	41.3	5.7ft	32.7	16.9	18.1	150	370
Tinst096	120	-148	-76	47.2	31.5	41.3	4.9ft	30.7	20.3	13.6	150	370
Tinst127	120	-148	-76	47.2	31.5	41.3	7.4ft	31.1	20.6	20.0	150	370

If you have a product or client that requires <-60°C and wish to find out more, please contact a TOWER global representative.

UK & Europe

e: UKandEurope@towercoldchain.com
t: +44 118 932 5000

Africa

e: Africa@towercoldchain.com
t: +27 72 261 9873

North America

e: NorthAmerica@towercoldchain.com
t: +1 609 325 9769

AsiaPac

e: AsiaPac@towercoldchain.com
t: +61 478 838 140