



Liquid CO₂ 21.2 ISO Container

TOMCO₂ Systems rugged 20' ISO Container is approved for transporting liquid carbon dioxide by truck or ship to destination worldwide. The hold time for 250 psig (17.2 bar) to 350 psig (24.1 bar) is greater than 30 days @ 122°F (50°C) without the use of a refrigeration system.



LCO₂ Capacity 42,350 lbs (19,210 kg) Vacuum Insulated

INNER VESSEL SPECIFICATIONS

- ASME Code Section VIII, Division 1
- Material: SA 612 normalized
- Nominal Capacity: 42,350 lbs (19,210 kg)
- Design Pressure: 373 psig (25.7 bar)
- Test Pressure: 560 psig (38.6 bar)
- Maximum Allowable Working Pressure: 350 psig (24.1 bar)
- Baffles: two sets - mild steel
- Design Temperature: -40°F (-40°C) to 200°F (93.3°C)

OUTER JACKET

- Material: SA 36
- External Pressure Design: 1 bar
- Insulation: Super insulation

FRAME

- Carbon steel
- ISO Class 1CC Design

DESIGN WEIGHTS

- Tare: 27,039 lbs (12,264.9 kg)
- Payload: 42,350 lbs (19,210 kg)
- Gross: 69,389 lbs (31,474.9 kg)

PIPING

- Stainless Steel SCH 10S (internal and external)
- Piping stress analysis performed for a -40°F (-40°C) temperature

DESIGN CODE

- ASME Sec, VIII, Div. 1, UCS
- IMDG
- CSC
- DOT
- ISO
- ADR/RID
- AAR600

APPROVALS

- ABS
- CSG
- IMDG Type 7

DESIGN (SKID)

- Length: 19' 10.5" (6,057.9 mm)
- Width: 8' (2,438.4 mm)
- Height: 8' 6" (2,590.8 mm)

Note: Also available in 17 ton, Capacity 34,200 lbs (15,512.8 kg)

