

Liquid CO₂ ISO Container

- Rugged 20' ISO Container is approved for transporting liquid carbon dioxide by truck or ship to destinations worldwide.
- Hold time from 250 psig (17.2 bar) to 350 psig (24.1 bar) is greater than 30 days at 122°F (50°C) without the use of a refrigeration system.



SPECIFICATIONS

INNER VESSEL

- ASME Code Section VIII, Division I
- Material: SA 612 normalized
- Total Volume: 4200 water gallons (15,900 liters)
- Nominal L-CO₂ Capacity: 34,200 lb (15,512.8 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 (2) 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 g
- Insulation: Perlite

DESIGN WEIGHTS

- Tare: 29,000 lb (13,174 kg)
- Payload: 34,200 lb (15,512.8 kg)
- Gross: 63,253 lb (28,691 kg)

FRAME

- Carbon
- ISO Class 1CC Design

PIPING

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

DESIGN CODE

- ASME Section VIII, Division 1, UCS
- IMDG
- CSC
- DOT
- ISO

APPROVALS

- ABS
- CSC
- IMDG Type 7

DIMENSIONS (SKID)

- Length: 19'10½" (6,057.9 mm)
- Width: 8' (2,438.4 mm)
- Height: 8'6" (2,590.8 mm)