



C Series CO₂ Storage Units

TOMCO₂ Systems offers this efficient CO₂ storage unit designed with wide flanged rectangular skirts for use in areas where placement is a concern. It provides ease of installation and low maintenance costs. The C Series offers totally enclosed valves, electrical and refrigeration. It may be locked conveniently for safety and security.

Sizes range from 6 tons to 50 tons. Other sizes available upon request.

An aluminum outer jacket conceals a 4" (10.16 cm) polyurethane insulation which allows for long life and maximum protection.

Auxiliary outlets are available for additional liquid and vapor supply needs.

Pressure Vessel: Constructed in accordance with Section VIII, Division 1 of the ASME Code for Unfired Pressure Vessels for a maximum allowable working pressure (MAWP) of 350 psig (24.1 bar). 2" NPS and under tank nozzles are schedule 80 stainless steel.

Piping: Schedule 80 seamless pipe, 2,000 lb. (907.2 kg) forged steel fittings, 1/4 turn stainless steel isolation valves.

Safeties: Dual ASME approved direct spring operated, sized for unconfined outdoor installation. Larger capacity relief valves will be required for installation when located indoors or in a fire area.

Insulation: 4" (10.16 cm) polyurethane

Outer Jacket: 0.063" (0.16 cm) aluminum

Vaporizers Optional: Electric, pressure build units factory installed in unit cabinet

Liquid Level Gauge: Differential pressure indicator type with 6" (15.24 cm) dial

Pressure Gauge: 0 to 600 psig with 6" (15.24 cm) dial

Electrical Characteristics: 208/220/230/460V, 60 Hz., 3 Ph. Other voltages available upon request.

Control Cabinet: 0.04" (0.10 cm) prefinished aluminum with lockable access door.

| Model | Nominal Ton Capacity | Height | Length | Width | Approx. Empty WT. |
|--------|----------------------|--------|---------|--------|-------------------|
| 675CA | 6 tons | 8' 6" | 16' 0" | 6' 2" | 10,000 lbs. |
| | 5.4 MT | 2.59 m | 4.88 m | 1.88 m | 4,536 kg |
| 1475CA | 14 tons | 8' 10" | 19' 9" | 7' 8" | 15,500 lbs. |
| | 12.7 MT | 2.69 m | 6.02 m | 2.34 m | 7,031 kg |
| 3075CA | 30 tons | 9' 0" | 36' 0" | 7' 8" | 30,000 lbs. |
| | 27.2 MT | 2.74 m | 10.98 m | 2.34 m | 13,608 kg |
| 5075CA | 50 tons | 9' 0" | 56' 6" | 7' 8" | 45,000 lbs. |
| | 45.4 MT | 2.74 m | 17.22 m | 2.34 m | 20,412 kg |

*Shipping dimensions

**Weights include insulation, refrigeration unit, saddles and nozzles for a standard vessel. Actual weights vary.

NOTE: Safety relief valve removed for shipment due to height requirements on 14-ton (12,701 kg) and larger units.

All CO₂ storage units are manufactured using normalized SA-612 carbon steel plate.

Manway installed for internal inspection and ease in cleaning.



Electrical panels inside control cabinet for refrigeration system and optional pressure build vaporizer.

