



CHANGING THE WAY YOU THINK ABOUT CO<sub>2</sub>

## C Series CO<sub>2</sub> Storage Units - Urethane Insulated Horizontal



TOMCO<sub>2</sub> Systems offers this efficient CO<sub>2</sub> storage unit designed with wide flanged rectangular skids 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.

## Specifications

**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



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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.

### Electrical Panel

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



### Shipping Dimensions

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

\*\*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 CO<sub>2</sub> storage units are manufactured using normalized SA-612 carbon steel plate.

Manway installed for internal inspection and ease in cleaning.