



E Series CO₂ Storage Units

Efficient CO₂ storage units to meet your needs in ranges from 6 MT nominal ton capacity to 120 (109.0 MT) nominal ton capacity. Our functional, long-life CO₂ storage units are designed to operate economically in environments of high heat and humidity.

Other sizes available upon request

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

Pressure Vessel: Constructed in accordance with Section VII, 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: Steam, water or electric capacities to 6,000 lbs./hr. (2,722 kg/hr)

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

Pressure Gauge: 0 to 600 psig with 6" (15.25 cm) dial

Electrical Characteristics: Model 3.7581EA and 681EA use 208/220V, 60 Hz., 1 Ph. All other models use 208/220/230/460V, 60 Hz., 3 Ph. Other voltages available upon request.

Control Cabinet: 0.04" (0.102 cm) prefinished aluminum, complete cabinet folds down for total accessibility to refrigeration unit. (Add 4'0" (10.16 cm) to length shown for fold down clearance.)

Model	Nominal Ton Capacity	Height*	Length*	Width	Approx. Empty Weight**
681EA	6 tons	8' 3"	15' 10"	5' 10"	9,000 lbs.
	5.4 MT	2.51 m	4.83 m	1.78 m	4,082 kg
1481EA	14 tons	8' 7"	19' 6"	7' 4"	14,000 lbs.
	12.7 MT	2.62 m	5.94 m	2.24 m	6,350 kg
3081EA	30 tons	8' 7"	37' 0"	7' 4"	26,500 lbs.
	27.2 MT	2.62 m	11.28 m	2.24 m	12,020 kg
5081EA	50 tons	8' 7"	57' 0"	7' 4"	40,000 lbs.
	45.4 MT	2.62 m	17.37 m	2.24 m	18,144 kg
12081EA	120 tons	11' 1"	71' 1"	10' 0"	87,500 lbs.
	109.0 MT	3.38 m	21.67 m	3.05 m	39,690 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 and larger units. All CO₂ Storage units are manufactured using normalized SA-612 carbon steel. Manway installed for internal inspection and ease in cleaning.

