

V Series CO₂ Storage Units - Vertical

TOMCO₂ Systems' V Series units can store up to 100 tons (91 MT) in a very limited space with this urethane insulated vertical CO₂ storage unit. The V Series vessels are well built, low-maintenance storage units maximizing space, providing quality and ensuring long life.



Model	Nominal Ton Capacity	Height	Length	Width	Approx. Empty Weight
681VA	6 tons	16' 1"	8' 4"	6' 5"	10,000 lbs.
	5.4 MT	4.90 m	2.54 m	1.96 m	4,536 kg
1481VA	14 tons	20' 4"	8' 9"	8' 0"	15,500 lbs.
	12.7 MT	6.20 m	2.67 m	2.44 m	7,031 kg
3081VA	30 tons	35' 10"	8' 9"	8' 0"	30,000 lbs.
	27.2 MT	10.92 m	2.67 m	2.44 m	13,608 kg
5081VA	50 tons	39' 6"	10' 5"	9' 6"	40,000 lbs.
	45.4 MT	12.04 m	3.18 m	2.90 m	18,144 kg
7581VA*	75 tons	45' 0"	11' 5"	10' 6"	55,000 lbs.
	68.0 MT	13.72 m	3.48 m	3.20 m	24,948 kg
10081VA*	100 ton	58' 9"	11' 6"	10' 6"	74,000 lbs.
	91.0 MT	17.95 m	3.54 m	3.23 m	33,566 kg

NOTE: Safety relief valve removed for shipment. All CO₂ storage units are manufactured using normalized SA-612 carbon steel plate.

GENERAL 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: (0.16 cm) aluminum

Vaporizers Optional: Steam 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" (152 mm) dial

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

Control Cabinet: 0.04" (0.10 cm) prefinished aluminum, complete cabinet lifts off for total accessibility to refrigeration unit.

Manway installed for internal inspection and ease in cleaning.

