

CHANGING THE WAY YOU THINK ABOUT CO2

V Series CO2 Storage Units - Urethane Insulated Vertical



TOMCO2 Systems' Vertical 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.

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

tomcosystems.com — sales@tomcosystems.com — 770-979-8000



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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.

Shipping Dimensions

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' <i>5</i> "	10' 6"	55,000 lbs
	68 MT	13.72 m	3.48 m	3.20 m	24,948 kg
10081VA*	100 tons	58' 9"	11' 6"	10' 6"	74,000 lbs
	91 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.

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