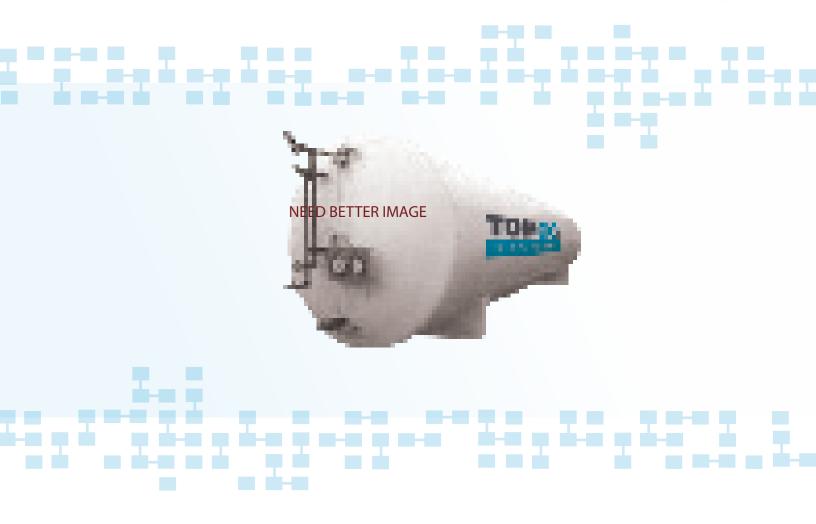


FLEX-FLOW Urethane Insulated CO₂ Storage

Flex-Flow Horizontal and Vertical Storage Units



FLEX-FLOW Urethane Insulated CO₂ Storage

Recognizing the need for versatility in the changing Flex-Flow industry, TOMCO2 Systems designed and introduced the Flex-Flow urethane insulated horizontal and vertical CO2 storage units. These CO2 storage units offer minimal maintenance, efficient operation in heat and humidity, manway for inspection and cleaning, evaporator coil inside the vessel and an optional refrigeration unit.

The Flex-Flow product line is available in nominal capacities of 6 tons to 120 tons (5.4 MT to 109.0 MT) in both horizontal and vertical CO2 storage units to meet your needs. All CO2 storage units are manufactured using a normalized SA-612 carbon steel plate.



General Specifications

Flex-Flow Horizontal and Vertical Storage Units

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. forged steel fittings, 1/4 turn stainless steel isolation valves.

Refrigeration: Optional. Manway installed for internal inspection and ease in cleaning. Refrigeration evaporator coil installed inside vessel.

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: 6" (152 mm) polyurethane

Outer Jacket: 0.063" (1.6 mm) aluminum with F&D aluminum heads

Vaporizers Optional: Steam, water or electric capacities to 12,000 lbs./hr. (2,722 kg/hr)

Liquid Level Gauge: Differential pressure indicator type with 6" (152 mm) dial

Pressure Gauge: 0 to 600 psig with 6" (152 mm)

dial

Vertical Models	Nominal Ton Capacity	Height	Length	Width	Approx. Empty Weight**
5081FV	50 tons	39′ 2″	10′ 7″	9′ 10″	40,000 lbs.
	45.4 MT	11.9 m	3.23 m	3.00 m	18,144 kg
7581FV	75 tons	44′ 3″	11′ 3 3/4″	10′ 7 9/16″	55,000 lbs.
	68.04 MT	13.49 m	3.45 m	3.25 m	24,947 kg

^{*}Shipping dimensions.

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