



## Fleet Series CO<sub>2</sub> Storage Units

### Urethane Insulated Shipping Ready Portable

This Long Life Carbon Dioxide Storage unit comes in a capacity of 16 tons and is designed to operate efficiently in the environments of high heat and humidity without the need for refrigeration.

This ready to go, Plug and Play CO<sub>2</sub> system can be installed quickly and used as a temporary or permanent source of Liquid CO<sub>2</sub>. This unit can be delivered to your site via drop deck truck therefore eliminating the need for onsite crane or rigging equipment.

### GENERAL SPECIFICATIONS

**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). 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:** Single ASME approved direct spring operated, sized for unconfined outdoor installation. Safety is piped through the container outside wall. Single bleeder valve set to 330 PSI.

**Insulation:** Polyurethane filled around a 78" diameter vessel provides adequate insulation for longer pressure hold times up to 2 weeks.

**Outer Jacket:** Standard 20' Shipping Container. The container is White to reduce heat entry. Valves and instrument gages are located behind lockable entry doors on one end of the container.

**Vaporizers:** 18KW Pressure Build Vaporizer is installed in the lockable entry way of the container

**Liquid Level Gauge:** Differential pressure indicator type with 6" (15.25 cm) dial

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

**Electrical Characteristics:** Pressure Build Vaporizer 208/220/230/460V, 60 Hz., 3 Ph. Other voltages available upon request.

**Overall Dimensions:** 19'5"L x 7'8"W x 7'10" H

**Empty Weight:** Approximately 20,000 pounds

**DATA:** Hold time is 2 weeks @ 90 degrees F with a start pressure of 250 PSI to a vent pressure of 330 PSI with no product withdraw.

With the Pressure vessel at 90% full @ 330 PSI product loss is approximately 100 pounds per day with no product withdraw.

Refrigeration coils included for optional modular refrigeration connection for long term storage without withdraw.



\*\*Weights include insulation, vessel and Shipping Container. Actual weights vary.

Manway installed for internal inspection and ease in cleaning.

