



## Ei Series CO<sub>2</sub> Storage Units Designed for International Customers

### Urethane Insulated Horizontal

The Ei design incorporates low profile saddles and strategic nozzle locations that reduce the overall height of the unit. These units are designed to be shipped via a 20' or 40' open top container (unit will be slightly over height) saving thousands in shipping costs. Efficient CO<sub>2</sub> storage units range from 7,500 to 60,000 lb. (3,402 kg to 27,216 kg) capacity.

### 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.

**Seismic:** Per UBC 1997 seismic zone 4, importance factor of 1.25, soil profile types Sa, Sb, Sc, Sd or Se, 2 km or less to a type A seismic source. Design to other codes available on request.

**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 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 3.7581Ei and 681Ei 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.)

**NOTE:** Stainless steel nozzles and valves.

All CO<sub>2</sub> storage units are manufactured using normalized SA-612 carbon steel plate.

Manway installed for internal inspection and ease in cleaning.



### Standard 40' Open Top Shipping Container Used to Reduce Shipping Costs

Provides easier loading and unloading along with added protection during shipment. Drastically reduces shipping costs (compared to break bulk).

Model	Nominal Ton Capacity	Height*	Length*	Width*	Approx. Empty Weight**
3.7581Ei	3.75 tons	7' 2"	11' 0"	5' 10"	7,500 lbs.
	3.4 MT	2.18 m	3.61 m	1.78 m	3,401 kg
681Ei	6 tons	7' 2"	15' 10"	5' 10"	9,000 lbs.
	5.4 MT	2.18 m	4.83 m	1.78 m	4,082 kg
1481Ei	14 tons	8' 1"	19' 6"	7' 4"	14,000 lbs.
	12.7 MT	2.46 m	5.94 m	2.24 m	6,350 kg
2681Ei	26 tons	8' 1"	33' 0"	7' 4"	23,500 lbs.
	23.6 MT	2.46 m	10.06 m	2.24 m	10,659 kg
3081Ei	30 tons	8' 1"	37' 0"	7' 4"	26,500 lbs.
	27.2 MT	2.46 m	11.28 m	2.24 m	12,020 kg

\*Shipping dimensions

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

