

# HSMD Series CO2 Storage Units

The HSMD or Horizontal Skid Mounted with Doghouse CO2 tank series by IGI is designed for use in areas where foundation planning may be difficult. With the weight evenly distributed over a large area using a skid with 6" wide beams, placement can be easily achieved on a level surface. This series also includes a lockable housing to provide security, maximum protection from the elements, long life and an appealing appearance.

Designed with the input of people who maintain and repair CO2 tanks for a living, IGI tanks are equipped with long lasting, high quality parts which can be easily obtained and replaced when maintenance is required. Design elements you won't find on other tanks such as carbon steel legs, tank support plates and lift eyes ensure that your investment will keep making money for you a very long time and with almost no down time.

IGI CO2 vessels have a 5 year warranty\*. This is possible because we use SA-516-70N steel and welds are 100% X-ray inspected. Gauges also have a 1 year warranty\*.

Superior temperature retention is obtained by using hand laid 4 inch molded polyurethane instead of the typical injected liquid foam which leaves voids and density variation.

The maintenance free outer shell and housing are made of metal with baked on enamel finish that repels dirt and moisture. All IGI tanks are equipped with dual safeties standard.

## GENERAL SPECIFICATIONS

**Piping:** Schedule 80 seamless pipe, 3000 lb. forged steel fittings, Jamesbury S.S. ball type valves.

**Pressure Vessel:** ASME Coded for maximum working pressure of 350 psig.

**Safeties:** ASME approved direct spring loaded or pilot operated, sized for outdoor installation.

**Outer Jacket:** 0.063" (0.16 cm) Metal

Insulation: 4" (10.16 cm) Polyurethane

**Vaporizers Optional:** Capacities to 8,000 lbs.hr (2,722 kg/hr)

**Electrical Characteristics:** \*208/220/230/460V, 60 Hz, 3 Phase

**Liquid Level Gauge:** Barton differential pressure indicator type with 6" (15.24 cm) dial. \*1 year warranty.

**Pressure Gauge:** McDaniel 0 to 600 psig with 6" (15.24 cm) dial, Stainless Steel.

**Control Cabinet:** Lockable doghouse style, prefinished aluminum.

Manway installed for internal inspection and ease in cleaning. Stainless steel nozzles and valves.

**NOTE:** Safety relief valve removed for shipment due to height.

All CO2 storage units are manufactured using normalized SA-516-70 Carbon plate. Designed for Seismic IV installation.



MODEL	NORMAL CAPACITY	HEIGHT	LENGTH	WIDTH	APPROX EMPTY WT
HZ6	12,000 lbs	7' 1"	15' 0"	6' 1"	10,000 lbs
HZ14	28,000 lbs	9' 5"	18' 4"	8' 1"	15,400 lbs
HZ30	60,000 lbs	9' 8"	32' 0"	8' 1"	30,500 lbs
HZ50	100,000 lbs	9' 8"	51' 0"	8' 1"	45,500 lbs