



HSM Series CO₂ Storage Units – Skid Mounted

The HSM or Horizontal Skid Mounted CO₂ tank series by Allcryo 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.

Designed with the input of people who maintain and repair CO₂ tanks for a living, Allcryo 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.

Allcryo CO₂ vessels have a 5 year warranty*. This is possible because we use SA-516-70N steel and welds are tested per ASME Sec. VIII.

Superior temperature retention is obtained by using a two-part closed cell polyurethane foam.

The maintenance free outer shell is made of .063” Aluminum with baked on enamel white finish that repels dirt and moisture. All Allcryo tanks are equipped with dual safety tree combined with a diverter valve.

GENERAL SPECIFICATIONS

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

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

Safeties: ASME approved direct spring loaded or pilot operated, sized for Outdoor/Indoor installations.

Outer Jacket: 0.063” White Aluminum

Insulation: 4” Closed Cell Polyurethane Foam, Non-Absorbent

Refrigeration Units: Bohn & Trenton Models are included.

Electrical Characteristics: *208/220/230/460V, 50/60 Hz, 3 Phase.

Liquid Level Gauge: Barton differential pressure indicator type with 6” dial.

Pressure Gauge: McDaniel 0 to 600 psig with 6” dial, stainless steel.

Pressure Builders Optional

Manway installed for internal inspection and ease in cleaning.

MODEL	NORMAL CAPACITY	HEIGHT	LENGTH	WIDTH	APPROX EMPTY WT.
HC6	12,000 lbs	7'-1"	15'-0"	6'-1"	10,000 lbs
HC14	28,000 lbs	9'-5"	18'-4"	8'-1"	15,400 lbs
HC30	60,000 lbs	9'-8"	32'-0"	8'-1"	30,500 lbs
HC50	100,000 lbs	9'-8"	51'-0"	8'-1"	45,500 lbs

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