



# CO2 Electric Pressure Building Vaporizer

**Purpose:**

The RS Cryo vaporizer maintains pressure in a CO2 storage tank for vapor withdrawal and large liquid applications. The vaporizer is a pressure maintenance type that is activated by low storage pressure and remains fully flooded with liquid CO2. The design is a weatherproof construction for outdoor installation adjacent to the storage tank.

**Outer Shell:**

White PVC plastic and gel-coated fiberglass.

**Insulation:**

Efficient 3" thick closed cell polyurethane foam with insulated cap for heater element.

**Electrical Requirements:**

230/460V 3pH 60Hz with a transformer supplied 120V 1pH control circuit. Customer supplied fused disconnect required.

**Safety Controls:**

A 375 psi safety valve to relieve excessive pressure, a thermostat for overheat protection, and a fused 120V control circuit for transformer protection.

**Connections:**

1 1/2" MPT liquid supply, 1 1/2" FPT vapor return (elbow with 1/2" Gemini ball valve), 1/4" FPT tank pressure sensing connection, riser is removable for easy installation.



## Dimensions and Electrical Data:

STOCK #	ELEC. KW	VAPOR USE CAPACITY	LIQUID USE CAPACITY	SHIPPING WT. (LBS)	LENGTH (INCH)	HEIGHT STANDARD (INCH)	HEIGHT SHORT (INCH)	AMPS @ 230V*	AMPS @ 460V*
1-949-0097RS	18	450 lbs/hr	8300 lbs/hr	335	47	96	74 7/8	43.3	21.6
1-949-0097RS	24	600 lbs/hr	11,060 lbs/hr	335	47	96	74 7/8	57.7	22.8

\*Factory wiring is for 230V 3pH 60Hz, maximum capacity. Other capacities and voltage require field rewiring. Diagrams are furnished.