

Guide Specification

EnviroPurge HP Portable and Unit Mount, Air and Water Cooled

Model Number: EHP-522 / 611 Low Pressure Refrigerants

Doc # EHP-522/611-A-0900

Part 1: General

1.01 SYSTEM DESCRIPTION

- A. EnviroPurge portable and unit mount purge unit consists of a 0.5Hp semi hermetic compressor and high efficiency purge chamber connects to a chiller can rapidly remove non-condensables gases from high-pressure refrigerants. Discharge efficiency as high as 0.02 lbs-refg/lbs-non-condensables.

1.02 QUALITY ASSURANCE

ETL, CE, and CSA, shall certify the equipment for safety and construction as well as EPA compliant and UL 1963 listed.

1.03 DELIVERY, STORAGE, AND HANDLING

The unit shall be shipped, stored, handled, installed, operated, and maintained in accordance with the manufacturer's instructions.

Part 2: Products

2.01. EQUIPMENT

A. General:

- a. EnviroPurge unit consists of a 0.5Hp semi hermetic compressor and microprocessor controls.
- b. Refrigerants: R11, R113 and R123
- c. Portable cart or permanent mount units.
- d. Air or water-cooled.
- e. Power requirements EHP-611 110/115V 50/60Hz 1Ph 0.5HP 30Amp, EHP-522 220/230V 50/60Hz 1Ph .05Hp 20Amp.

B. Installation:

- a. Installation of the EnviroPurge shall be in accordance with all state and local, mechanical and electrical codes. The EnviroPurge system shall be connecting to condenser via 1/2-inch and 3/8-inch flare connections. Two connections shall be required to make complete connections from, condenser and evaporator.

C. Dimension and Weight:

- a. Unit dimension shall be approximately 40" high x 20" wide x 30" deep Service Cart
- b. Unit dimension shall be approximately 30" high x 21" wide x 45" deep Unit Mount
- c. Unit weight shall be 215-lbs Service Cart
- d. Unit weight shall be 210-lbs Unit Mount
- e. Frame consists of aluminum or steel.

D. Piping and Valving:

- a. 1/2 & 3/8-inch flare connections, Shut off valves, shall be used on the EnviroPurge system.

E. Control System and Safeties:

- a. Microprocessor controls shall operate and provide safeties for safe operation.
- b. The compressor has an internal thermal overload.

F. Included Accessories:

- a. 2ea. 48 cu-inch drier cores
- b. 2ea. Isolation valves
- c. Service cart only:
 1. 25-ft power cord
 2. 1ea. 20-ft x 1/2 -inch hose
 3. 1ea. 20-ft x 3/8-inch hose

G. Options:

- a. Spare 48 cu-inch drier cores