

## Guide Specification

### EnviroPurge HP Portable and Unit Mount, Air and Water Cooled

Model Number: EHP-522 / 611

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 0.2 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: R12, R134A, R22, R500, and R502
- 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