

## Guide Specification

EnviroPurge Perm Mount, Air Cooled

Model Number: EMS-522 / 611

Doc # EMS-522/611-A-0900

### Part 1: General

#### 1.01 SYSTEM DESCRIPTION

- A. EnviroPurge portable and unit mount purge unit consists of a 0.5Hp 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 hermetic compressor and microprocessor controls.
  - b. Refrigerants: R11, R123, R114, R113
  - c. permanent mount unit.
  - d. Air cooled.
  - e. Power requirements EMS-611 110/115V 50/60Hz 1Ph 0.5HP 20Amp, EMS-522 220/230V 50/60Hz 1Ph .05Hp 15Amp.
- 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 1/4-inch and 1/2-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 30" x 22" x 30"
  - b. Unit weight shall be 135-lbs Unit Mount
  - c. Frame consists of aluminum or steel.
- D. Piping and Valving:
  - a. 1/2 & 1/4-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. 16 cu-inch drier
  - b. 1 manual
- G. Options:
  - a. Spare 16 cu-inch driers