

HE-230

# Heat Exchanger

#### **DESCRIPTION:**

Heat Exchanger (oil to air) with single fan. For use with MCS-1000 series X-ray tubes. Pump is gear type.

### **PERFORMANCE:**

1000 W with 48° delta T. Refer to cooling chart for other delta T ratings.

**POWER REQUIREMENTS:** HE-230 24 VDC +2%/-10% 3.2 Amps

#### FAIL SAFE DEVICE:

Flow Switch - Normally open contacts. Contacts closed with adequate water-glycol flow. Pressure Relief Valve - opens at 20 PSI ±5% PSI

### DIMENSIONS: (Base and Cover)

Width - 9.6 inches (744 mm) Length - 11.6 inches (295 mm) Height - 4.0 inches (102 mm)

### WEIGHT:

75 kg (16.5 lbs)



#### MOUNTING:

Select mounting location where ambient temperature is low.

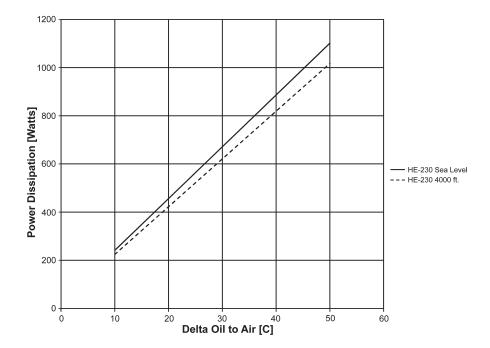
Connect power cord to source that is energized whenever x-ray tube with heat exchanger is selected.

Connect flow switch and thermal switch on housing in series with existing exposure interlocks.

## CONNECTING OIL LINES WITH QUICK DISCONNECT FITTINGS:

To prevent air in housing from oil line quick disconnect fittings observe the following procedures.

- A. Do not apply any side pressure on fittings such as from tiewrapping to cable bundles or looping in tight circle.
- B. Never run heat exchanger with fittings disconnected.



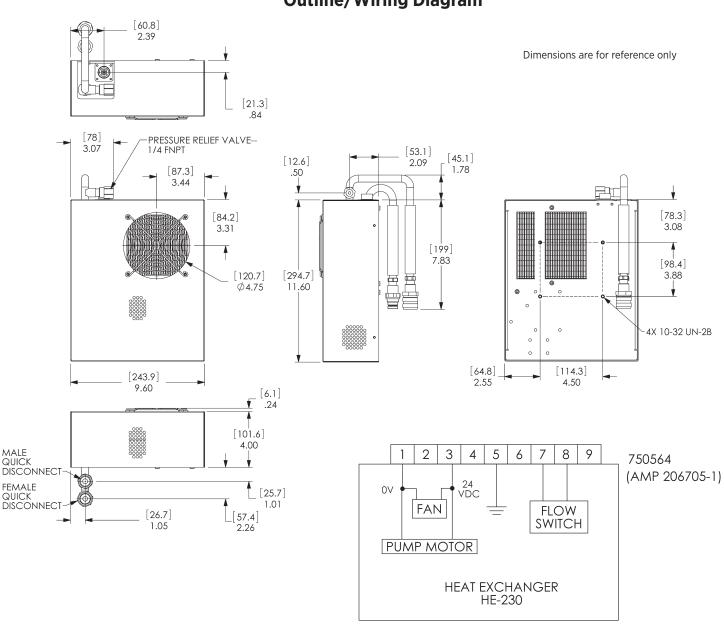
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**Outline/Wiring Diagram** 





Salt Lake City, UT Charleston, SC

ty, UT 1-801-972-5000 SC 1-843-767-3005 www.vareximaging.com Manufactured by Varex Imaging Corporation Fabrique par Varex Imaging Corporation Hergestellt von Varex Imaging Corporation Fabricado por Varex Imaging Corporation

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