## DESCRIPTION:

Heat Exchanger (water-glycol to air) with single fan. For use with FP-1000 series X-ray tubes. Water-glycol pump is gear type.

## PERFORMANCE:

1000 W with $40^{\circ}$ delta T . Refer to cooling chart for other delta T ratings.

## POWER REQUIREMENTS:

HE-235 / HE-235A 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 $\pm 5 \%$ 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 WATER-GLYCOL LINES WITH QUICK DISCONNECT FITTINGS:
To prevent air in housing from water-glycol 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.


HE-235 / HE-235A Sea Level
HE-235 / HE-235A 4000 ft.

Heat Exchanger

## Outline/Wiring Diagram

Dimensions are for reference only



[^0]For a complete listing of our global offices, visit www.vareximaging.com

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