



# TYPE VVC-8-48150 Atmospheric Flash Condenser

## PRODUCT DESCRIPTION

The Thermaflo VVC Vertical Flash Steam Condenser is designed to accept atmospheric flash steam up to 2500lbs/hr and quench the latent heat and fully condense the vapor on the shell side, while heating process or hydronic water on the 4 pass tube side.

Flash steam enters connection C into the inlet diffuser chamber where it flows into the baffled U tube bundle.

The segmented flow is condensed into liquid while heating the inner tube flow of quench water. The condensed condensate falls to the bottom drain and flows to recovery by gravity.

The atmospheric vent serves as a vacuum breaker for the condensing flash steam.

Larger Sizes are available.

## CONNECTIONS

- A 2.5" 150lb RF Atmospheric Vent
- B 2.5" 150lb RF Lower Condensate Drain Outlet
- C 3" 150lb RF Condensate Inlet
- D 2" NPT Cold Quench Water Inlet
- E 2" NPT Heater Quench Water Outlet

- 150 psig ASME Code Stamped @ 400F
- Carbon Steel Construction
- 316 Stainless Steel Inner Tubes
- 316 Stainless Steel 4 Pass Head
- Teflon Segmented Inner Condensing Baffles
- 316 Stainless Steel Internal Flash Diffuser
- 2 Angle Support Clips

## Notes:

1. Must Mount Vertically.
2. Connection B Must Drain by Gravity
3. Quench Water Inlet should be 40F to 70F

