



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

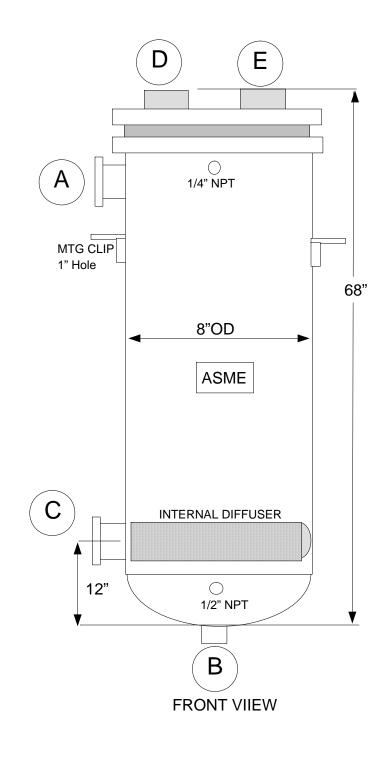
- A 2.5" 150lb RF Atmospheric Vent
- B 2.5" 150lb RF Lower Condensate Drain Outlet
- C 3" 150lb RF Condensate Inlet
- D 2" NPT Cold Quench Water Inlet
- E 2" NPT Heater Quench Water Outlet

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



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