

envirosep VCON

ATMOSPHERIC VENT CONDENSER

The *envirosep VCON*, Atmospheric Vent Condenser, is a custom engineered unit designed for the recovery of valuable flash steam. While a closed system will always be more efficient, when venting is required the *envirosep VCON* can recover much of this heat. A complete, ready to install unit; the vent condenser can be used to pre-heat make-up process fluid. All systems are fabricated and welded per ASME Section IX Codes and Standards.

Every pound of steam that escapes your system adds to your energy cost. Every BTU will eventually need to be replaced and the costs of heating are compounded by boiler efficiencies and the cost of water treatment.



Optional

Optional

FEATURES & BENEFITS

- The *envirosep VCON* units are factory manufactured, and welded per ASME codes and standards in our ASME shop.
- Sole source manufacturing responsibility, just one manufacturer to coordinate.
- The *envirosep VCON unit* is cost effective, offering fixed costs and on-time delivery coordinated with site - factory controlled environment means no weather delays.
- Recovery of the heat from 100 lb/hr steam can save upwards of \$15,000 or more annually in energy and chemical costs. This allows the cost of the unit to be recovered in a matter of months.
- Each unit is custom-engineered to meet specific unit requirements.

STANDARD DESIGN INCLUDES:

- ASME, shell & tube heat exchanger
- Flanged steam inlet and outlet
- High temperature paint

ATMOSPHERIC VENT CONDENSER OPTIONS:

- Stainless steel tube bundle
- NiCu tube bundles
- Liquid drain trap
- Condensing liquid temperature control system
- Mounting saddles
- Lifting lugs



TECHNICAL DATA

TYPICAL SPECIFICATIONS	
Steam Pressure	5 to 150 psig
Steam Flows	100 lb/hr to >25,000 lb/hr
Standard Cooling Flow Rate	5 to 300 gpm
Dimensions	based on customer requirements
Working Pressure	150 psig (standard)
Working Temperature	< 300°F (standard)



WE MAKE CERTAIN YOUR PROJECTS ARE DONE RIGHT.

Envirosep maintains certifications that keep us current with the latest industry standards and ensure first class quality. Our certifications include:



UL Listed Packaged Pumping Systems



UL Listed Controls



European Conformity



State of New York OTCR (NY)



Unfired Pressure Vessels



Pressure Piping



Miniature Unfired Pressure Vessels



National Board



Repairs and/or Alterations



Process Piping & Power Piping