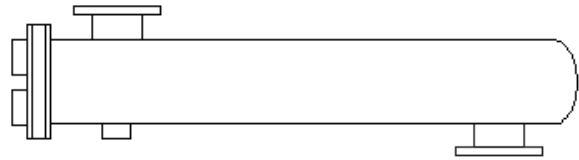


**Vent Condenser**  
**Model VCON**



The Model VCON, Vent Condenser is a manufactured unit is used for the recovery of valuable flash steam normally vented from steam systems. A complete ready to install unit, the Model VCON provides for the pre-heating of make-up process fluid. Each Unit is custom engineered and designed to meet specific system requirements. All systems are fabricated and welded per ASME Section IX Code and Standards, and are Hydrostatically tested prior to shipment.

**MODEL VCON SIZING & SAVINGS**

Model	Flash Steam (lb/hr)	Energy Savings (MM Btu/yr.)	Makeup Flow (gpm)	Potential Savings (\$/yr.)
VCON-300	300	2,445	5.8	<b>22,363</b>
VCON-500	500	4,075	9.7	<b>37,272</b>
VCON-700	700	5,705	13.6	<b>52,181</b>
VCON-900	900	7,335	17.5	<b>67,089</b>
VCON-1000	1000	8,150	19.4	<b>74,544</b>
VCON-1200	1200	9,780	23.3	<b>89,453</b>
VCON-1500	1500	12,225	29.1	<b>111,816</b>
VCON-1800	1800	14,670	34.9	<b>134,179</b>
VCON-2000	2000	16,300	38.8	<b>149,088</b>
VCON-2400	2400	19,560	46.6	<b>178,905</b>
VCON-3000	3000	24,450	58.3	<b>223,631</b>

**NOTES:**

- Savings are based on max. potential savings at max. capacity on 8400 hr./yr. of continuous operation
- Steam costs at \$7.50/MM Btu
- Savings assume no back pressure on Vented Flash Steam.
- Water side flow rate based on a 100 F temperature change from 50 F to 150 F.
- Savings based on approx. calculations.

**CONDITIONS OF OPERATION**

Max. Allowable Pressure:	125 psig / 8.6 bar
Max. Allowable Temperature:	375 °F / 190.5 °C

Note: Condensate back pressure is assumed at 0 psig unless otherwise specified

**Legend:**

- A. U-Tube Vent Condenser
- B. Steam Inlet
- C. Vent
- D. Condensate Drain
- E. Make-up Fluid Inlet/Outlet

**STANDARD CONSTRUCTION**

- Carbon Steel U-Tube Vent Condenser with non-ferrous internals
- Hydrostatically Tested
- High Temperature Industrial Enamel Coating

**PACKAGE OPTIONS**

- Fabricated Angle Iron Wall-mount Frame
- Fabricated Steel Floor-mounted Frame
- Low-profile design for height restricted applications
- Single-pass Vertical Inline design
- Tube-side Thermostatically Controlled Recirculation Pump
- System Inlet / Outlet Thermometers
- Plate and Frame Vent Condenser
- Double-walled tube construction for Potable water use
- Stainless Steel Construction
- Oversized Connections
- Thermodynamic Steam Trap on Condensate Drain

Regardless of system size, temperature, pressure, fluid medium, or available floor space, **EnviroSep** can service all specialized needs.