

Vented Condensate Pump Package

(Steam Pressure-Powered)

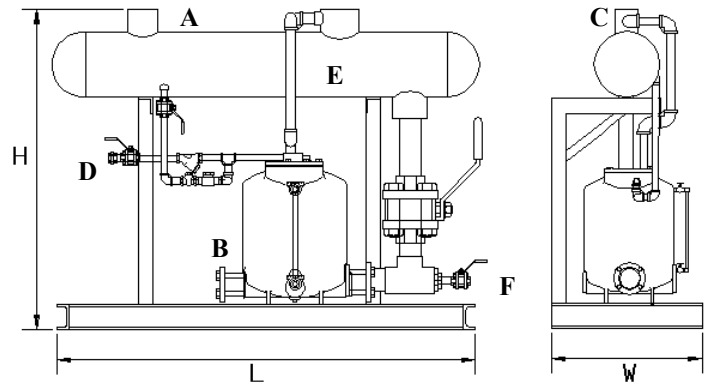
The Model VCP-3, Vented Condensate Pump Package is a manufactured, ready-to-install system featuring a Steam-Powered Condensate Pump. Designed for efficient pumping of condensate, VCP-3 utilizes steam power in lieu of electric motors, eliminating the need for wiring motors, starters, and controls. The steam-powered package is capable of operation in flammable environments. Operating by steam pressure versus electric power, reduces pumping costs. The pump employs a float operated snap-acting mechanism with no external seals or packing, which eliminates seal maintenance, which is required on conventional pumps. All internal pump components and mechanism are constructed of Stainless Steel.

MODEL VCP-3 CAPACITIES

Steam Pressure (psig)	Discharge Head (psig)	Flow Rate (lbs. / hr.)
125	15	14,800
125	40	12,200
125	60	10,400
125	80	8,000
125	100	6,300
125	115	5,100
100	15	14,000
100	40	10,900
100	60	8,200
100	80	6,700
75	15	13,900
75	40	9,600
75	60	6,200
50	10	12,900
50	25	9,800
50	40	5,500
25	5	12,800
25	10	10,400
25	15	8,000
10	2	10,800
10	5	7,000
5	2	5,700

CONDITIONS OF OPERATION

Max. Allowable Pressure / Temperature:	125 psig / 450 °F
Discharge rate per cycle:	7.1 gal.
Max. instantaneous discharge rate:	90 gpm
Steam Consumption:	3 lbs. per 1000 lbs. of liquid pumped
Compressed Air Consumption:	100 SCF per 1000 lbs. of liquid pumped



Legend:

Approximate Dimensions: 56"H x 52"L x 28"W

- A. Condensate Inlet 3" NPT
- B. Condensate Discharge 2" NPT
- C. Vent 4" NPT
- D. Steam Inlet 1/2" NPT
- E. Receiver Tank 12" x 48"
- F. Drain 1/2" NPT

STANDARD CONSTRUCTION

- Fabricated Angle Iron frame
- Fabricated Steel Tank
- Bronze Ball or Gate Valves
- Stainless Steel Thermodynamic Steam Trap
- Cast Iron Pump with Gauge Glass, and Stainless Steel internal components and Check Valves
- Hydrostatically Tested
- High Temperature Industrial Enamel Paint

PACKAGE OPTIONS

- Additional / Oversized Condensate Inlet connection(s)
- Oversized Condensate Receiver
- Oversized Atmospheric Vent(s)
- Carbon Steel 3-piece Ball Valves (motive steam)
- Overflow Connections
- Forged Steel Gate Valves (motive steam)
- Cast Iron Gate Valves (pump isolation)
- Digital Cycle Counter to monitor pumping cycles
- Low-profile design for height restricted applications
- All Welded piping
- Fabricated Square Tubing Frame

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

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