

Vented Condensate Pump Package (Steam Pressure-Powered)

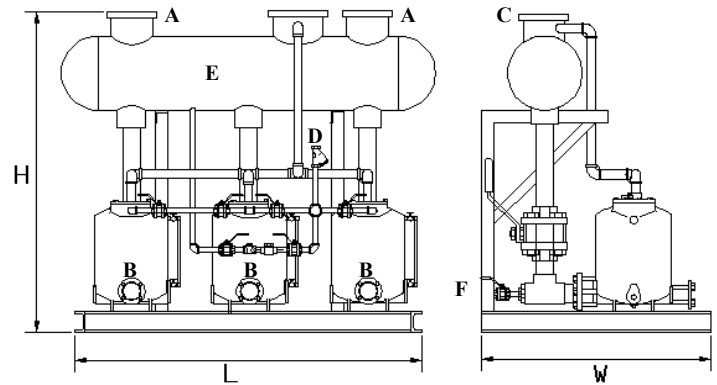
The Model **VCP-3T**, Vented Condensate Pump Package is a manufactured, ready-to-install system featuring Steam-Powered Condensate Pumps. Designed for efficient pumping of condensate, **VCP-3T** utilizes steam power in lieu of electric motors, eliminating the need for wiring, motors, starters, and controls. The steam-powered package is capable of operation in flammable environments. Operating by steam pressure versus electric power, reduces pumping costs. The pumps employ 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-3T CAPACITIES

Steam Pressure (psig)	Discharge Head (psig)	Flow Rate (lbs. / hr.)
125	15	44,400
125	40	36,600
125	60	31,200
125	80	24,000
125	100	18,900
125	115	15,300
100	15	42,000
100	40	32,700
100	60	24,600
100	80	20,100
75	15	41,700
75	40	28,800
75	60	18,600
50	10	38,700
50	25	29,400
50	40	16,500
25	5	38,400
25	10	31,200
25	15	24,000
10	2	32,400
10	5	21,000
5	2	17,100

CONDITIONS OF OPERATION

Max. Allowable Pressure / Temperature:	125 psig / 450 °F
Discharge rate per cycle:	21.3 gal.
Max. instantaneous discharge rate:	270 gpm
Steam Consumption (per pump):	3 lbs. per 1000 lbs. of liquid pumped
Compressed Air Consumption (per pump):	100 SCF per 1000 lbs. of liquid pumped



Legend:

Approximate Dimensions: 70"H x 66"L x 48"W

- A. Condensate Inlet 4" FLG
- B. Condensate Discharge 2" NPT
- C. Vent 6" FLG
- D. Steam Inlet 1/2" NPT
- E. Receiver Tank 24" x 60"
- 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)
- 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

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