

# PUMP TANK STATIONS

**PPT SERIES**  
POLYETHYLENE

- Capacities From 450 - 3000 Gallons
- Tower or Chilled Water Systems
- Pumps from 2 - 60 HP
- Flows from 40 - 1250 GPM
- Seamless Rotational Molded Reservoir
- 10 Year Tank Warranty

The **PPT Series** pump tank station is very space efficient. It uses the vertical dimension for water storage, and uses an integral pump platform deck to minimize floor space footprint. The high flow, high turbulent pumps offer maximum heat transfer across the process. The patent pending reservoir is a seamless, one piece rotationally molded polyethylene reservoir. This reservoir is rust and corrosive free, and will not degrade, regardless of water quality. Pump assemblies are mounted on a structural steel deck and attached to the tank via flexible connectors. This pump tank is designed and engineered for round-the-clock operations with minimal service, providing maximum return on investment.

Systems can be customized to meet any need.

Components are shipped loose and field assembled. All drawings are supplied for easy assembly. Available options can be factory assembly and wired. Consult factory for details.

Product features include:

## TANK CONSTRUCTION

- One piece, seem less, cylindrical shape reservoir
- Rotationally molded linear low density polyethylene
- Drain valve
- Overflow port
- Hot / cold section partition (baffle)
- Temperature gauges for each partition
- Water-level control (float type)
- Flange pump connections
- Multiple pump connections
- Tank insulating on chilled water systems (optional)
- Tank lid

## ELECTRICAL

- Prewired magnetic pump motor starters
- Nema 1 rated
- Overload protection
- Thermostat control of tower fan (where applicable)



PPT-1500-2HP shown

Model shown with pumps, valves, and motor starter all mounted and wired.

## PUMPS

- Structural steel deck for pump mounting
- Flexible connections
- Centrifugal, motor driven
- Bronze impeller
- Suction service valve kit
- Discharge service valve kit

## WARRANTY & SERVICE

- 10 year tank failure warranty
- 1 year on mechanical components
- Nationwide network of service contractors

## OPTIONS

- Standby pump and discharge manifold with isolation valves
- Prewired control cabinet for starters and controls
- Mounting and wiring all components.

**PRICE & PERFORMANCE... for the LONG TERM**

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# SPECIFICATIONS

## PPT SERIES SPECIFICATIONS

MODEL		PPT-450	PPT-850	PPT-1500	PPT-3000
WATER CAPACITY	To Overflow	450	850	1,475	2,950
	Tower Water	225	425	800	1,475
	Chilled Water	350	675	1,200	2,400
CONNECTION	Water Make-Up	1	1	1	1
SIZES (inches)	Tank Drain	1-1/2	1-1/2	1-1/2	1-1/2
	Tank Overflow	4	4	6	6
DIMENSIONS (inches)	Height	60	72	96	96
	Width	48	60	75	160
	Depth	50	62	75	75
	Depth w/ pump base	100	116	130	130
WEIGHTS (LBS) <sup>1</sup>	Dry	860	1,590	2,243	4,636
	Operating	2,750	5,160	8,963	18,076
	Maximum	4,640	8,730	15,683	31,516
	Shipping	860	1,590	2,243	4,636

## P SERIES PUMP SPECIFICATIONS

PROCESS / STANDBY PUMP MODEL		PP-2	PP-3	PP-5	PP-7.5	PP-10	PP-15	PP-20	PP-25	PP-30	PP-40	PP-50	PP-60
PUMP <sup>2</sup>	HP	2	3	5	7.5	10	15	20	25	30	40	50	60
	GPM/PSI	40/40	60/60	90/60	150/60	210/60	360/60	405/60	525/60	600/60	900/60	1,100/60	1,250/60
FULL LOAD AMPERAGE <sup>3</sup>	230 / 3 / 60	6.8	9.6	15.2	22.0	28.0	42.0	54.0	68.0	84.0	104.0	130.0	154.0
	460 / 3 / 60	3.4	4.8	7.6	11.0	14.0	21.0	27.0	34.0	42.0	52.0	65.0	77.0
	575 / 3 / 60	2.7	3.9	6.1	9.0	11.0	17.0	22.0	27.0	32.0	41.0	52.0	62.0

## TP SERIES PUMP SPECIFICATIONS

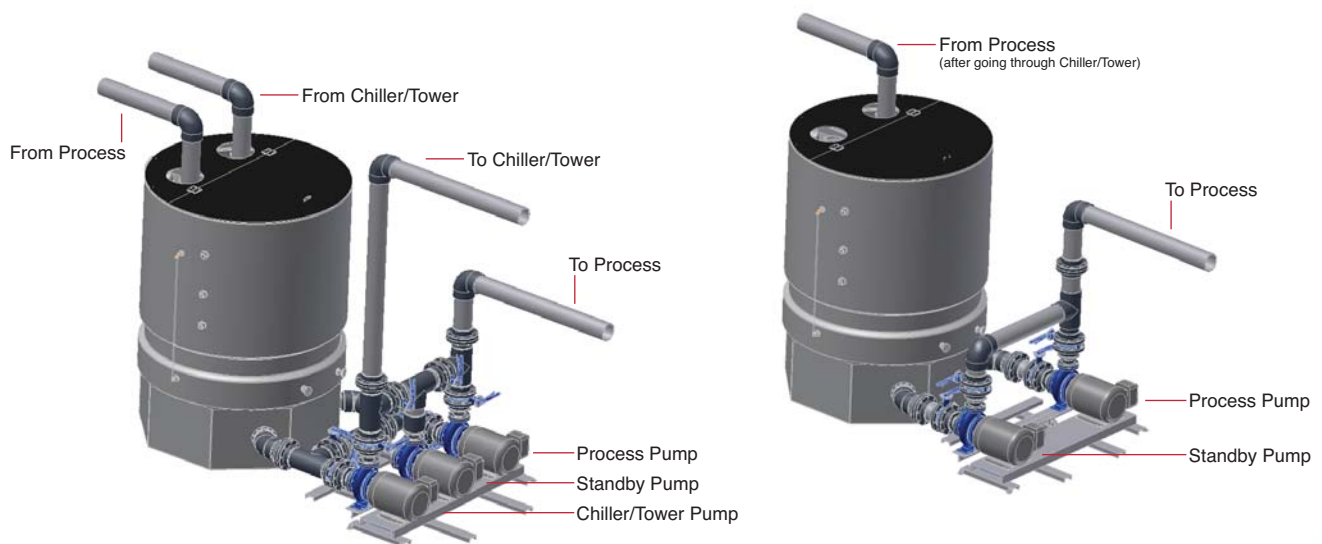
TOWER / EVAPORATOR PUMP MODEL		TP-2	TP-3	TP-5	TP-7.5	TP-10	TP-15	TP-20	TP-25	TP-30	TP-40
PUMP <sup>2</sup>	HP	2	3	5	7.5	10	15	20	25	30	40
	GPM/PSI	60/30	90/30	210/30	255/30	405/30	525/30	810/30	900/30	1,100/30	1,750/30
FULL LOAD AMPERAGE <sup>3</sup>	230 / 3 / 60	6.8	9.6	15.2	22.0	28.0	42.0	54.0	68.0	84.0	104.0
	460 / 3 / 60	3.4	4.8	7.6	11.0	14.0	21.0	27.0	34.0	42.0	52.0
	575 / 3 / 60	2.7	3.9	6.1	9.0	11.0	17.0	22.0	27.0	32.0	41.0

**Notes:**

1. Approximate unit weight crated for shipment. 2. Consult with the factory for exact characteristics relating to pump curves. 3. Full load amps shown. No allowance for inrush. Service disconnect by owner. Actual running amps at design conditions. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring. Consult factory for 50hz operation.

**2-Pump Systems...** preferred for most applications because constant and optimum flow and pressure is maintained through the cooling tower or chiller regardless of the process flow. Can be equipped with an optional standby pump that can support either the process or recirculating pumps.

**1-Pump Systems...** circulate the cooling fluid to process then directly back through the chiller or cooling tower. Can be equipped with an optional standby pump.



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Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice. form #ADV-527 updated 3/11 ©2011 TEMPTTEK, INC.