

PUMP TANK STATIONS

PT SERIES
MILD STEEL

- Capacities from 250 - 3600 Gallons
- Tower or Chilled Water Systems
- Pumps from 2 - 60 HP
- Flows from 40 - 1250 GPM
- 7 ga. Steel Reservoir
- Mild or Stainless Steel

The **PT 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. This pump tank is designed and engineered for round-the-clock operations with minimal service, providing maximum return on investment.

PT Series pump tank stations are great for start-up installations and expansions of existing systems.

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

- Sand blasted and epoxy coated 7 ga. mild steel assembly, welded
- Stainless steel optional
- Perimeter belting reinforcement
- Drain valve
- Overflow port
- Hot / cold section partition (baffle)
- Water-level control (float type)
- Structural steel base
- Pump platform decking
- Flange pump connections
- Multiple pump connections
- Tank insulating on chilled water systems

PUMPS

- Centrifugal, motor driven
- Bronze impeller
- Suction service valve kit
- Discharge service valve kit



PT-750 shown with 3 pump manifold (process, reciprocation and standby). Model shown complete with the following options: valves mounted with discharge manifold, alarm beacon and prewired system cabinet.

ELECTRICAL

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

WARRANTY & SERVICE

- 1 year on parts & labor
- Nationwide network of service contractors

OPTIONS

- Standby pump and discharge manifold with isolation valves
- Prewired system control cabinet for starters and controls
- Tank service lid
- Tank insulation for chilled water applications
- Shipped complete...not as a kit.
- Pumps, valves, and starters are mounted and wired... set in a place and hit the switch.

PRICE & PERFORMANCE... for the LONG TERM

TEMPTeK

since 1989

Southgate Process Equipment / sales@southgateprocess.com / (770) 345-0010

SPECIFICATIONS

PT SERIES SPECIFICATIONS

MODEL		PT-275	PT-400	PT-600	PT-750	PT-1000	PT-1250	PT-1500	PT-2000	PT-2500	PT-3000
WATER CAPACITY	To Overflow	275	400	600	750	1,000	1,250	1,500	2,000	2,500	3,000
	Tower Water	180	240	345	450	560	700	840	1,120	1,400	1,625
	Chilled Water	180	300	485	615	790	985	1,185	1,575	1,930	2,350
CONNECTION SIZES (inches)	Water Make-Up	1	1	1	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2
	Tank Drain	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	Tank Overflow	4	4	4	4	4	4	4	6	6	6
DIMENSIONS (inches)	Height	55	55	67	79	79	79	79	79	79	79
	Width	60	60	72	72	72	72	72	72	72	144
	Depth	24	36	36	36	48	60	72	96	120	72
	Depth w/ pump base	60	72	80	80	100	112	112	150	174	124
WEIGHTS (LBS) ¹	Dry	1,625	1,745	2,300	2,800	3,250	4,300	4,500	4,990	5,480	6,580
	Operating	3,125	4,245	6,340	7,920	9,805	12,505	14,335	18,060	21,500	26,085
	Maximum	3,915	5,075	7,295	9,050	11,580	14,715	17,000	21,650	26,300	31,600
	Shipping	1,725	1,845	2,400	2,920	3,370	4,500	4,700	5,300	5,700	6,750

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 ²	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 ³	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 ²	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 ³	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.

COST SAVING OPTION:

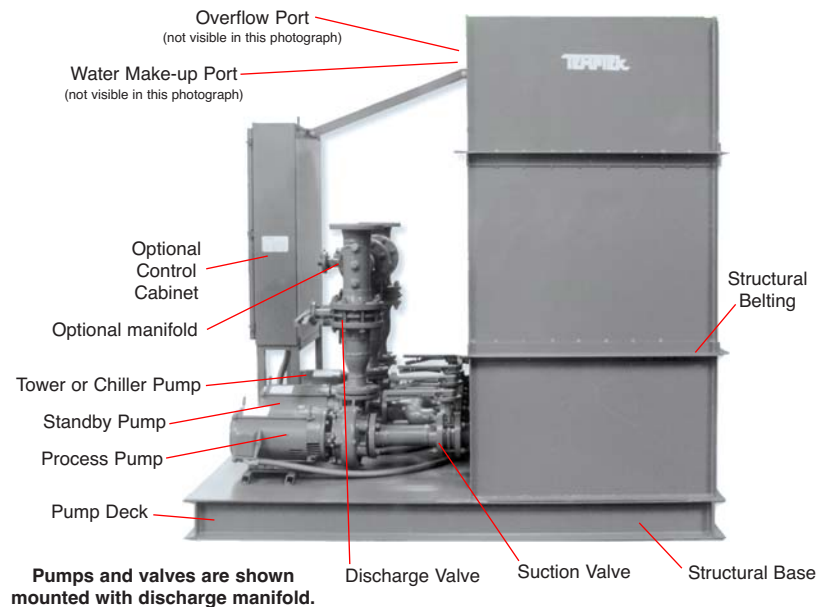
Starters, valves, and thermostats are supplied as components and shipped loose for field installation with drawings supplied to ease installation. Items can be sold as components to allow customizing systems to customer requirements. Also this makes changes to existing systems a simple process.



Starters shown mounted & wired.



Optional system control console.



PRICE & PERFORMANCE... for the LONG TERM



since 1989

Southgate Process Equipment / sales@southgateprocess.com / (770) 345-0010