

PUMP TANK STATIONS

PPT SERIES

POLYETHYLENE

- Capacities From 450 - 3200 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, seamless, 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 1600-2HP 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.

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SPECIFICATIONS

PPT SERIES SPECIFICATIONS

| MODEL | | PPT-450 | PPT-850 | PPT-1600 | PPT-3200 |
|----------------------------|--------------------|---------|---------|----------|----------|
| WATER CAPACITY | To Overflow | 450 | 850 | 1,600 | 3,200 |
| | Tower Water | 225 | 425 | 800 | 1,600 |
| | 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 | 72 | 160 |
| | Depth | 50 | 62 | 74 | 74 |
| | Depth w/ pump base | 36 | 36 | 48 | 48 |
| WEIGHTS (LBS) ¹ | 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 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.



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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, 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.

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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 | Water Make-Up | 1 | 1 | 1 | 1 | 1 | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/2 | 1-1/2 |
| SIZES (inches) | 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 |
| | Height | 55 | 55 | 67 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| DIMENSIONS (inches) | 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 |
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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 |
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COST SAVING OPTION:

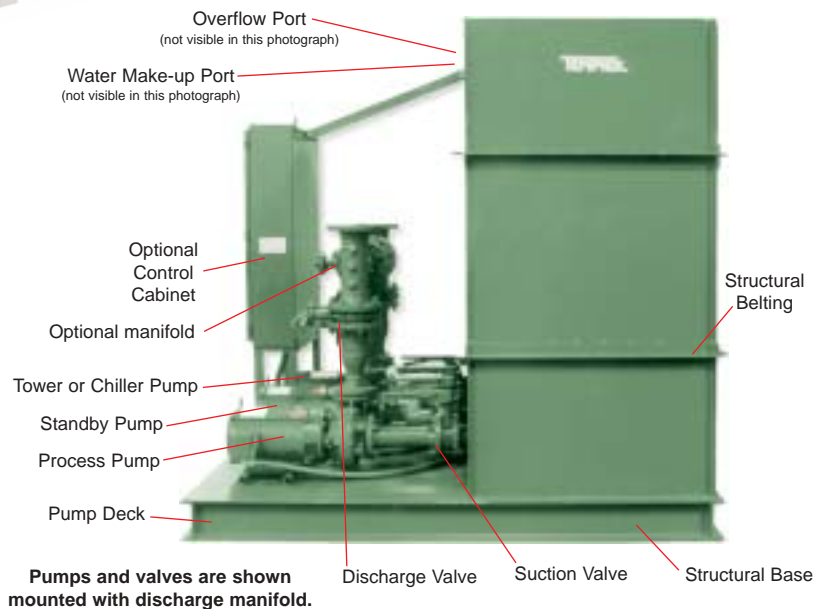
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