

NEW SYSTEM
CONTROL
INSTRUMENT

PUMP TANK STATIONS

For Use With Tower or Chilled Water systems

Model "PTS" for use with
Tower Water Systems

Model "CPTS" for use with
Chilled Water Systems

Delivered
Ready To Run

PTS-2000 shown with these optional features:

- Standby pump and manifold
- Central control console
- Pressure and temperature alarm system
- Electric water make-up system
- CheckMate™ system control instrument



Thermal Products, Inc.
964 A Route 146
Clifton Park, NY 12065
(518) 877-0231
sales@thermalproducts.com
www.thermalproducts.com



CheckMate™ Display Panel

checkmate™

The New CheckMate™ control and monitoring instrument is a popular option that displays performance, status of all motors, alarms, error logs, running hours and process temperatures.

New Top Operators™ provide motor and overall system control and includes a multi-color LED for operating (GREEN) and overload tripped (RED) indications.

FEATURES - AT A GLANCE:

- Epoxy coated mild steel construction
- Stainless steel construction optional
- Angle iron belt reinforcement
- Full pump trim (suction & discharge valves)
- Pressure and temperature gauges
- Prewired motor starter package
- 1 year parts and labor warranty

ADVANTAGE Pump Tank Stations are available for tower water systems (PTS models) and chilled water systems (CPTS models). Single or dual pump configurations with optional standby pump and manifold are available.

AVAILABLE CAPACITIES: 275 to 3000 gallons

AVAILABLE PROCESS PUMP HP: 2 to 60

AVAILABLE PROCESS PUMP GPM: 40 to 1250

These ready-to-run pump tanks are built from heavy-gauge steel and strengthened with perimeter reinforcement. Mild-steel models receive epoxy coating on wetted surfaces. Custom options are available to meet your specific application requirements.

ENGINEERING SERVICES... for every water system purchased, **ADVANTAGE** supplies complete piping drawings for contractor bidding and installation services. **ADVANTAGE** staffs an experienced engineering department to assist in the piping design.



Information on all ADVANTAGE products is available at: www.AdvantageEngineering.com



Made in the U.S.A.

SPECIFICATIONS

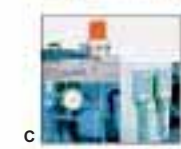
PUMP TANK SPECIFICATIONS PTS or CPTS		275	400	600	750	1000	1250	1500	2000	2500	3000
WATER CAPACITY	To Overflow	275	400	600	750	1,000	1,250	1,500	2,000	2,500	3,000
	Normal Operating PTS	180	240	345	450	560	700	840	1,120	1,400	1,625
	Normal Operating CPTS	180	300	485	615	790	985	1,185	1,575	1,930	2,350
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) ¹	Height	55	55	67	79	79	79	79	79	79	79
	Width	60	60	72	72	72	72	72	72	72	144
	Depth (tank)	24	36	36	36	48	60	72	96	120	72
	Depth (base)	60	72	80	80	100	112	112	150	174	124
WEIGHTS (LBS) ²	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 ⁴	1,725	1,845	2,400	2,920	3,370	4,500	4,700	5,300	5,700	6,750

PROCESS PUMP SPECIFICATIONS		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	HP	2	3	5	7.5	10	15	20	25	30	40	50	60
	GPM/PSI ⁵	40/40	60/60	90/60	150/60	210/60	360/60	405/60	525/60	600/60	810/62	1,100/60	1,250/60
FULL LOAD AMPERAGE ³ @3ø/60hz	230 volts	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 volts	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 volts	2.7	3.9	6.1	9.0	11.0	17.0	22.0	27.0	32.0	41.0	52.0	62.0

TOWER/EVAPORATOR PUMP SPECIFICATIONS		TP-2	TP-3	TP-5	TP-7.5	TP-10	TP-15	TP-20	TP-25	TP-30	TP-40
PUMP	HP	2	3	5	7.5	10	15	20	25	30	40
	GPM/PSI ⁵	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 @3ø/60hz	230 volts	6.8	9.6	15.2	22.0	28.0	42.0	54.0	68.0	84.0	104.0
	460 volts	3.4	4.8	7.6	11.0	14.0	21.0	27.0	34.0	42.0	52.0
	575 volts	2.7	3.9	6.1	9.0	11.0	17.0	22.0	27.0	32.0	41.0

STANDBY PUMP SPECIFICATIONS		SP-2	SP-3	SP-5	SP-7.5	SP-10	SP-15	SP-20	SP-25	SP-30	SP-40	SP-50	SP-60
PUMP	HP	2	3	5	7.5	10	15	20	25	30	40	50	60
	GPM/PSI ⁵	40/40	60/60	90/60	150/60	210/60	360/60	405/60	525/60	600/60	810/62	1,100/60	1,250/60
FULL LOAD AMPERAGE ³ @3ø/60hz	230 volts	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 volts	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 volts	2.7	3.9	6.1	9.0	11.0	17.0	22.0	27.0	32.0	41.0	52.0	62.0

Notes: 1. Selection of certain options or custom configurations may change dimensions. 2. Weight may vary with optional pump installation. 3. Full load amps shown. 4. Approximate unit shipping weight. 5. Typical performance characteristics.



OPTIONS

STANDBY PUMP AND MANIFOLD (A):

- Suction valves
- Discharge manifold with isolation valves
- Prewired centrifugal pump

CENTRAL CONTROL CONSOLE (B):

- Nema 12 cabinet with oil tight conduit
- Power distribution block
- Power 'On' indication
- On / off operators
- Branch circuit fusing
- Convenient location for electrical components

ALARMS (C):

- Process water low pressure
- Process water over temperature
- Audible / visual beacon

WATER MAKE-UP (D):

- Float switch activated solenoid valve
- Isolated float valve
- Manual fill valve

CheckMate™ CONTROL PANEL (E):

- Top Operators for pump and overall system control with multi-color LED light for operating (green) and overload tripped (red) indication
- Large, easy-to-read temperature display
- Digital setpoint selection (for tower systems)
- Individual setup and status screens

TANK CONSTRUCTION:

- Stainless steel
- Tank covers

Note: the Central Control Console option must be purchased to accommodate the pressure and temperature alarm system option, the electronic water make-up system option and the Checkmate™ control panel option.



Standard 2 pump system shown.

STANDARD FEATURES

PUMPS:

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

ELECTRICAL:

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

PRESSURE GAUGES:

- To process
- To chiller evaporator or tower

TEMPERATURE GAUGES:

- To process water temperature
- From process water temperature

(on 2 pump systems)

Thermal Products, Inc.

964 A Route 146

Clifton Park, NY 12065

(518) 877-0231

sales@thermalproducts.com

www.thermalproducts.com



since 1977

WARRANTY AND SERVICE... Refer to bulletin ADV-205 for complete warranty details. The Advantage service department is staffed with experienced technicians, and supported by a network of independent service contractors.

ADVANTAGE PRODUCTS: TEMPERATURE CONTROLLERS • PORTABLE CHILLERS • CENTRAL CHILLERS • PUMP TANK STATIONS • TOWER SYSTEMS • FILTERS

ADVANTAGE ENGINEERING, INC. 525 East Stop 18 Road Greenwood, IN 46142 phone: 317-887-0729 fax: 317-881-1277

web site: www.AdvantageEngineering.com email: sales@AdvantageEngineering.com ©2004 ADVANTAGE ENGINEERING, INC. Form #ADV-375 11/02 updated 10/04

SINCE PRODUCT INNOVATION AND IMPROVEMENT IS OUR CONSTANT GOAL, ALL FEATURES AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY.