



Typical system with 3-pumps, process pump VFD, and control panel with PLC and color touch-screen

Standard Features

Durable Reservoir Construction

Welded stainless steel or fiberglass reservoirs provide corrosion resistance and durable construction for years of trouble-free use.

Solid Plate Steel Pump Deck

A solid plate steel pump deck surface provides a stable and solid surface for operation and maintenance as well as an added level of structural integrity to support our frame.

Full Size Pump Trim

All our pumps come with suction and discharge butterfly valves, a discharge check valve, and all pipe and valves are sized for full flow with minimal pressure loss.

Anti-Vortex Extended Suction Legs

Full-size stainless steel suction legs on our stainless steel tanks extend into the tank and are cut at a 45° angle to prevent pump damage caused by air entrapment.

Pump Discharge Check Valve

Stops supply line flow-back at shut-down, reduces the risk of water hammer, and eliminates the possibility of pump damage due to reverse pump motor rotation.

Liquid Filled Discharge Pressure Gauge with Isolation Valve
Every pump has a liquid filled discharge pressure gauge for monitoring operation and has an isolation valve to protect the gauge from damage due to pressure fluctuations.

Automatic Water Make-up Valve

A standard mechanical float operated make-up valve or an optional electronic solenoid make-up valve ensure the reservoir stays full and ready for use.

Water Level Sight Glass

Provides a quick and easy way to check the fluid level in the reservoir during normal operation or when filling the system during maintenance.

Thermometer

In addition to our comprehensive PLC control system we provide a mechanical thermometer to allow for a quick check of the fluid temperature.

Low Level Alarm

Every reservoir with one of our PLC system control panels includes a low-level alarm to provide notification of a reservoir low-level condition.

Overflow and Drain Connection

These connections make it easy to drain the reservoir during maintenance and provide an overflow drain line connection.

C-UL508A Industrial Control Panel

Control panels feature a PLC controller and 7 inch color HMI for complete control of our system as well as a comprehensive display of operating conditions.

Warranty

1 year parts

Other Available Options

- Standby pumps
- Suction and discharge manifolds
- Reservoir insulation
- Reservoir cover
- Second pump deck
- VFD for pumps and cooling tower fans
- Pump motor safety switches
- OSHA ladders and rails
- Reservoir dividers

Pump Reservoirs

Typical Single-Deck Reservoir Systems

Model		Reservoir Capacities ² (gal)			Dimensions (in) ³				Weights (lbs) ³	
		Overflow	Operating Tower	Operating Chiller	L	W	H	D	Ship	Operating
Steel	PT2800	2,775	2,100	2,450	174	101	102	71	5,500	28,600
	PT3700	3,710	2,815	3,300	174	101	102	95	7,500	38,400
	PT4500 ¹	4,700	3,560	4,155	173	127	107	105	10,500	49,700
	PT6000 ¹	5,645	4,280	4,990	173	151	107	105	16,000	63,000
Stainless Steel	PTS275	265	185	225	84	60	52	23	2,000	4,200
	PTS450	430	305	370	96	60	52	36	2,500	6,100
	PTS700	695	485	590	108	72	52	48	3,000	8,800
	PTS1000	1,025	720	875	120	72	76	47	3,400	11,900
	PTS1000W	1,000	700	850	120	96	76	35	4,500	12,800
	PTS1300	1,290	905	1,090	144	72	64	71	3,600	14,300
	PTS1300W	1,250	880	1,060	144	96	64	59	4,300	14,700
	PTS1600	1,570	1,105	1,330	144	72	76	71	4,000	17,100
	PTS1600W	1,525	1,060	1,270	144	96	76	59	4,800	17,500
	PTS1700	1,725	1,210	1,460	144	96	66	71	4,500	18,900
	PTS2100	2,075	1,575	1,750	156	96	76	71	5,000	22,300
	PTS2100W ¹	2,075	1,575	1,750	120	120	103	47	8,600	25,900
	PTS2800	2,775	2,100	2,450	168	96	102	71	5,500	28,600
	PTS2800W ¹	2,775	2,100	2,450	132	120	103	59	8,800	31,900
	PTS3500W ¹	3,500	2,815	3,300	132	144	103	59	14,100	43,300
	PTS3700	3,710	2,815	3,300	168	96	102	95	7,500	38,400
PTS3700W ¹	3,710	2,815	3,300	144	120	103	71	9,000	39,900	
PTS4200W ¹	4,200	3,560	4,155	156	144	103	71	15,300	50,300	
PTS4500 ¹	4,600	3,560	4,155	168	120	103	95	10,500	48,800	
PTS6000 ¹	5,645	4,290	4,990	180	144	103	95	16,000	63,000	
Fiberglass	PTF250	275	160	200	62	70	52	33	2,000	4,300
	PTF500	470	335	355	98	57	55	57	2,500	6,400
	PTF700	705	480	540	98	81	55	57	3,000	8,900
	PTF1100	1,105	710	850	122	74	84	59	3,500	12,700
	PTF1550	1,615	1,165	1,345	146	81	84	82	4,000	17,500
	PTF2200	2,220	1,600	1,790	146	98	86	84	4,500	23,000

¹Pump deck shipped separately, field connection required.

²Chiller level based on 30 feet of riser drain down, tower level based on 30 feet of riser drain down plus typical tower drain down.

³Dimensions and weights shown are for a typical 3-pump reservoir, actual dimensions and weight will vary depending on options.



THERMAL CARE

5680 W. Jarvis Ave • Niles, IL 60714
847-966-2260 • info@thermalcare.com
www.thermalcare.com

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PT Specification 01