

CHILLER TANK SYSTEMS

Chiller Tank Systems deliver superior performance to your central chiller water system and are capable of handling chiller capacities from 25 to 200 nominal tons.

The **Chiller Tank System** is essentially a pumping station that is designed to operate compatibly with any central chilled water module. Featuring the highest quality design, construction, and non-proprietary components available, the chiller tank system incorporates a fully insulated reservoir with pre-wired pumps and safety controls.

Often found in chemical, medical, pharmaceutical, plastics, rubber, tire, and semiconductor production facilities, the chiller tank system is available with high flow, equal flow or single pump configurations.

The Chiller Tank System features:

- Heavy-duty channel frame rails
- Structural frame cross members
- Front/rear access space for lift-truck forks
- Epoxy coated mild steel baffled type reservoir with externally reinforced reservoir walls
- Overflow port
- Bottom side drain with shut-off valve
- Automatic water make-up valve with manual shut-off valves
- Centrifugal-type, close-coupled pump with mechanical seal
- Suction shut-off valves
- Suction union or flange
- Lug-type discharge flow control/shut-off valves
- Discharge pressure gauge
- NEMA 1 electrical enclosure
- On/off selector switches

Budzar Industries also designs and manufactures specialized equipment for non-standard applications. Our engineers have extensive experience in process chilling and heating applications for such industries as: chemical, defense, energy, extraction, food, medical, pharmaceutical, plastics, rubber, tire and, semiconductor. We take the time to understand your current and future needs and design solutions targeting high quality and fast payback.



EXCELLENT RETURN ON INVESTMENT

- Each Budzar Industries unit is designed to maximize the productivity of your process.
- Optional stand-by pumps eliminate downtime and keep your process running

LOW-COST, SIMPLE OPERATION AND MAINTENANCE

- Consile-mounted high temperature, low pressure audible and visual alarms for process fluid and supply allow for peak process performance at all times
- Insulated dual well reservoir is constructed of heavy gauge, epoxy coated mild steel or optional stainless steel
- Close-coupled, centrifugal pumps with mechanical seals
- Log-type isolation valves that remain stationary to permit complete pump removal without the inconvenience of water or fluid spillage

STANDARD FEATURES

- Completely factory assembled pump decks
- Factory tested prior to shipment



DUAL CIRCUIT WATER-COOLED CHILLERS

OPTIONS AVAILABLE

- High Temperature Switch
- Dual stage fan/tower feed
- Visual & Audio Alarm
- Low Pressure Switch for pump cycling indicating thermostat
- Protection against pump running dry

CTS "DUAL PUMP "HIGH-FLOW" - DE CHILLER TANK								
Model CTS		CTS-025DE	CTS-050DE	CTS-081DE	CTS-125DE	CTS-187DE	CTS-250DE	CTS-356DE
Chiller Pump - Flow	GPM/PSI	60/23	120/19	195/20	300/23	450/22	600/26	855/26
Pump Motor	HP	1.5	3	5	7.5	10	15	20
Process Pump - Flow @ 60 PSIG	GPM	60	120	195	300	450	600	855
Pump Motor	HP	5	7.5	10	15	25	30	40
Nameplate Amps @ 460/3/60		10.2	15.8	21.6	32.0	48.0	61.0	79.0
@ 230/3/60		20.4	31.6	43.2	64.0	96.0	122.0	158.0

CTS "DUAL PUMP "HIGH-FLOW" - DH CHILLER TANK								
Model CTS		CTS-025DH	CTS-050DH	CTS-075DH	CTS-100DH	CTS-150DH	CTS-200DH	
Nominal Duty	Tons	25	50	75	100	150	200	
Tank Size L x W x H	Feed	2.5 x 5 x 3	4 x 5 x 4	4 x 6 x 6	4 x 6 x 6	5 x 7 x 6	6.5 x 7 x 7	
Tank Capacity - Overflow	Gallons	220	550	950	950	1400	2250	
- Operating	Gallons	140	300	600	600	900	1400	
Chiller Pump - Flow	GPM/PSI	60/23	120/19	180/24	240/27	360/24	480/25	
Pump Motor	HP	1.5	3	5	7.5	10	15	
Discharge Connection	Inches	2 NPT	2.5 - 125#	3 - 125#	4 - 125#	6 - 125#	6 - 125#	
Process Pump - Flow @ 60 PSIG	GPM	120	240	360	480	720	960	
Pump Motor	HP	15.0	20.0	20.0	25.0	40.0	60.0	
Discharge Connection	Inches	2.5-FLG	4-FLG	6-FLG	6-FLG	6-FLG	8-FLG	
Nameplate Amps @ 460/3/60		13.6	25.8	34.6	45.0	66.0	98.0	
@ 230/3/60		27.2	51.6	69	90	132	196	
Connections (NPT) Overflow	Inches	2	3	4	4	4	4	
Makeup	Inches	1/2	1/2	1/2	1/2	1/2	1/2	
Drain	Inches	1 1/2	1 1/2	2	2	2	2	
Shipping Weight (Approx)	LBS	950	1700	2000	2400	4200	7100	
Operating Weight (Approx)	LBS	2800	5900	10000	10500	15900	25800	
Dimensions (Approx) W x L x H	Inches	64 x 76 x 60	64 x 92 x 75	64 x 100 x 82	76 x 102 x 82	88 x 122 x 82	94 x 142 x 94	

UNITS AVAILABLE FROM BUDZAR INDUSTRIES



Low Temperature Process Chillers to -85°C



Clean Steam Sampling Cart



Standard and Custom Temperature Control Modules



Cold Storage Room



CIP Systems



Reactor Temperature Control Systems from -85°C to +200°C