



Breweries • Wineries • Distilleries

TANKTEMP.COM

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CHILLER SYSTEM PREVENTIVE MAINTENANCE CHECKLIST Inspection

Yearly Inspection Checklist

Don't wait until it breaks. Both in terms of cost and lost productivity, it is much better to proactively maintain your equipment. Our integrated maintenance solutions allow you to run uninterrupted throughout the year. Why waste your time and money and risk being down when you need your chiller the most—become one of our Preferred Maintenance clients and leave it to us.

- Monitor system for correct phase & volts/amps _____
- Inspect frame, fit and finish, and proper clearances. 24" from wall.
- Monitor system starting characteristics. Run to settings
- Inspect unit for proper refrigerant level and adjust if necessary.
- Measure high and low side system pressures.
- Inspect fan motor and fan blades for wear and damage.
- Inspect all electrical connections & associated controls/accessories, wiring, and connections. Controls may include contactors, relays, circuit boards, capacitors, and other accessories.
- Inspect and test contactors/relays.
- Inspect compressor and associated tubing for damage/leaks.
- Inspect evaporator coil, drain pan and condensate drain lines/leaks.
- Inspect heat exchanger &/or heating elements.
- Inspect all plumbing fittings in unit for leaks.
- Inspect pumps and filters.
- Test glycol brix _____
- Listen for abnormal noises.
- Search for source of unusual odors.
- Inspect coil and cabinet - cleaning available for an additional charge.
- Monitor system operation per manufacturer's specifications.
- Verify thermostat settings and cycle chiller to verify proper sequence of operation upon completion.
- Start and run system under load.
- Install correct labels

Suggested services timelines

5 years (or as needed)

- *Replace Condenser Fan Contactor.
- *Replace fan motors.
- *Replace Pump Contactor.

10 years (or as needed)

- *Replace/flush heat exchange
- *Replace pumps.
- *Replace Liquid Line Filter

Jobsite:

Tech :

Chiller Model:

Tanktemp

Technician:

Chiller Serial #:

Start Up Date:

FOLLOWING START-UP OF CHILLER, PLEASE RECORD THE APPLICABLE DATA Maintenance records

CLEARANCE AROUND CHILLER (Include pic if necessary): Min 24" from walls. Min 36" over head				
GLYCOL MIXTURE (35% 22-24Brix) Unless low temp				
PHASE/VOLTAGE				
VOLTAGE TO GROUND (Note: High Leg to L2)	L1:	L2:	L3:	
Set pressure valve	PSI			
COMPRESSOR OIL LEVEL				
PUMP ROTATION				
GLYCOL PRESSURE				
	<u>COMPRESSOR A</u>	<u>COMPRESSOR B</u>		
MOTOR AMPS:	L1:	L1:		
	L2:	L2:		
	L3:	L3:		
SUPERHEAT (°F)				
SUBCOOLING (°F)				
SUCTION PRESSURE @ 30° GLYCOL TEMP.				
DISCHARGE PRESSURE @ 30° GLYCOL TEMP.				
	<u>PUMP #1</u>	<u>PUMP #2</u>		
MOTOR AMPS:	L1:	L1:		
	L2:	L2:		
	L3:	L3:		
	<u>FAN MOTOR #1</u>	<u>FAN MOTOR #2</u>	<u>FAN MOTOR #3</u>	<u>FAN MOTOR #4</u>
MOTOR AMPS:	L1:	L1:	L1:	L1:
	L2:	L2:	L2:	L2:
	L3:	L3:	L3:	L3:
	<u>FAN MOTOR #5</u>	<u>FAN MOTOR #6</u>	<u>FAN MOTOR #7</u>	<u>FAN MOTOR #8</u>
MOTOR AMPS:	L1:	L1:	L1:	L1:
	L2:	L2:	L2:	L2:
	L3:	L3:	L3:	L3:
AMBIENT TEMP AT STARTUP				