



## CTS SERIES PROCESS WATER COOLING & RECOVERY

CTS Water Cooling and Recovery Systems are shipped complete and include: cooling tower(s), epoxy lined and painted steel, rotomolded polyethylene reservoir assembly with close-coupled pump with trim mounted in place. The “M” models have Metal towers, the “P” models have Polymer towers, and the “F” models have Fiberglass towers.

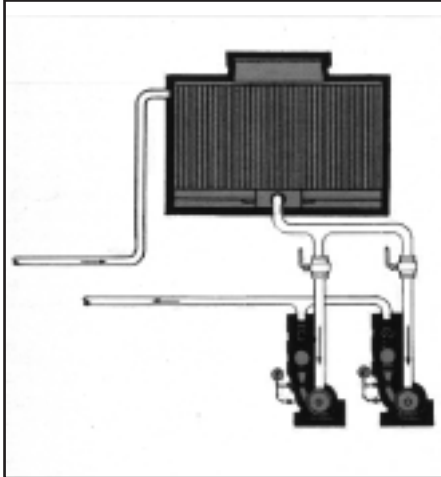
### STANDARD FEATURES

- *Metal, polymer, or fiberglass cooling tower*
- *Close-coupled pump with suction shut-off valve, check valve, throttling discharge valve, and gauge trim in accordance with AEC pump and trim specification*
- *Tank legs*
- *Thermostat(s)*
- *Thermometer(s)*
- *Valves*
- *Strainer basket*

### OPTIONAL FEATURES

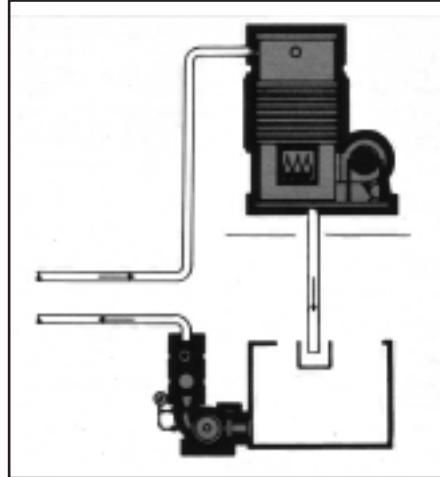
- *“M” models: metal cooling tower*
- *“P” models: polymer cooling tower*
- *“F” models: fiberglass cooling tower*

## CONFIGURATIONS



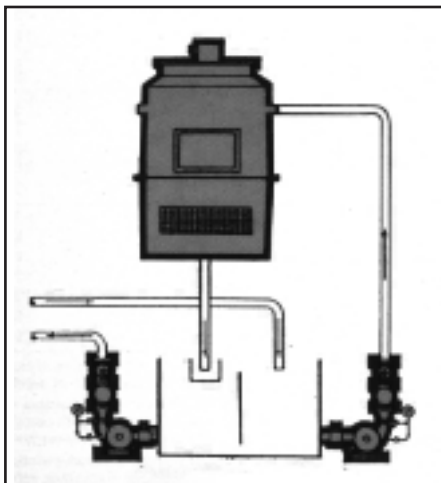
### TOWER SUMP RESERVOIR

System using cooling tower basin as water reservoir. The double pump arrangement in this system provides downtime protection and is recommended for high volume pumping application. The tower sump reservoir is only recommended for warm climate process cooling or summer air conditioning condenser water applications.



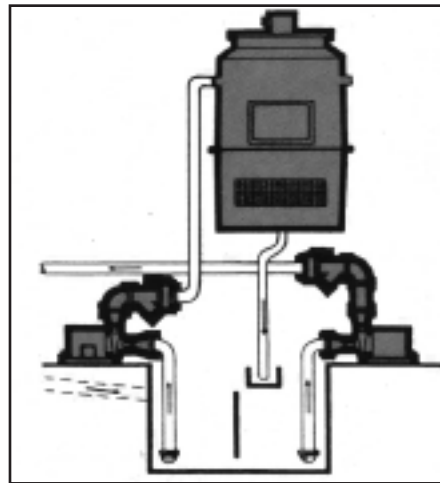
### INDOOR RESERVOIR WITH SINGLE COMPARTMENT

Indoor water reservoir with single compartment can operate in cold climates without danger of freezing. This system is widely used where flow conditions are relatively constant. The standard design condition for 100% tower efficiency in this arrangement is 3 gpm per ton of cooling tower capacity.



### INDOOR RESERVOIR WITH DOUBLE COMPARTMENT

Double compartment reservoirs with separate process and recirculating pumps maintain a constant water flow between the tank and tower. This arrangement is recommended where widely fluctuating loads are common, or where loads will vary and partial system capacity will be utilized. It also assures positive freeze protection and consistent tank water temperature control under partial load.



### DOUBLE PUMP WITH GRAVITY RETURN RESERVOIR

Below grade reservoirs with double compartments and separate process and recirculating pumps are normally used in process cooling applications where zero back pressure is required. This system is also suited to fluctuating cooling loads, or where only partial system capacity will be utilized.