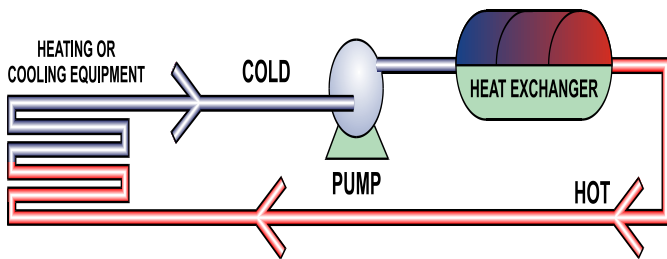


COOLING TOWER WATER TREATMENT

COMMON COOLING TOWER SYSTEMS:

- Once-through cooling i.e nuclear power station cooling systems
- Closed recirculation cooling i.e motor car engine /chilled water circuit.
- Open recirculation cooling i.e condenser cooling circuit.

CLOSED RECIRCULATING SYSTEM:



Characteristics:

- Average temp change 5-12 °C
- Negligible water usage

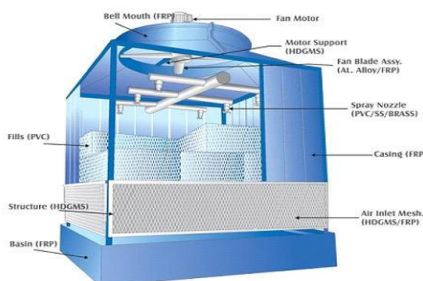
Common problems:

- Corrosion
- Fouling

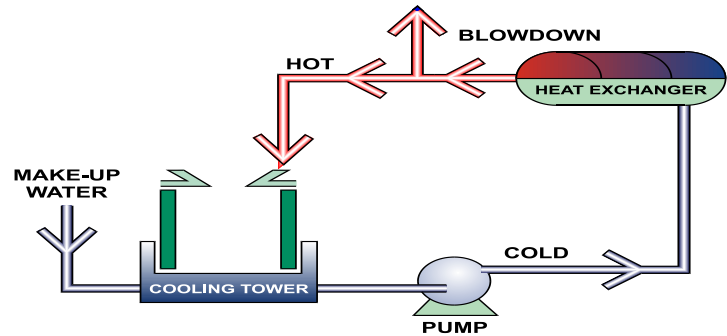
PROSEP CHEMICALS CLOSE LOOP SYSTEM

PRODUCTS:

- ALKEN 826
Corrosion inhibitor
- Alken V30 PRO
Biocides
- Filtration system



OPEN RECIRCULATING SYSTEM:



Characteristics:

- Average Temp change 5-15 °C
- Moderate water usage

Common problems:

- Corrosion
- Fouling
- Micro-contamination
- Scaling

Problems associated with cooling water:

- Scaling
- Corrosion
- Microbiological Growth
- Fouling

PROSEP CHEMICALS OPEN RECIRCULATION SYSTEM

PRODUCTS:

- Alken Proscale: Scale inhibitor
- Alken V30 PRO: Biocides
- Alken V26: Biocides
- Filtration system

PROSEP CHEMICALS OPEN RECIRCULATION SYSTEM

DOSING EQUIPMENT:

- Chemical dosing pump
- Bleeds off systems: Solenoids; Conductivity probe and Conductivity Controllers
- Water meters