

SECTION 232500 – WATER TREATMENT

- 1.0 The specifications shall require the Mechanical Contractor to engage (as a subcontractor) the services of the University's current Water Treatment Service Provider for all water systems associated with heat transfer equipment.
- 2.0 The Water Treatment Service Provider shall follow the University's currently acceptable water treatment practices to flush, clean, test, treat, service and report on each water system.
- 3.0 The following equipment shall be included for each recirculating closed water system:
 - A. One (1) 5 gallon bypass feeder with cartridge filter.
 - B. One (1) carbon steel coupon rack capable of accepting at least four flat test corrosion coupons.
 - C. Coupon rack shall have the following as a minimum:
 1. Steel mounting frame
 2. Steel safety chains
 3. Inlet/outlet isolation valves
 4. Sample coupon ID tags
 5. Quick connect sample points
 6. Mounting hardware
 7. 2-year warranty
- 4.0 Each cooling tower system shall include the following:
 - A. One (1) makeup water contact head meter with interface to the Operations Control Center (OCC).
 - B. One (1) blowdown control valve.
 - C. Provide auto-control equipment and panel to accomplish the following:
 1. Add two (2) biocides (one oxidizing and one non-oxidizing) based on time.
 2. Add one (1) corrosion inhibitor based on system makeup – with the capability to add chemical based on time and on system blowdown.
 3. Control a blowdown valve based on system conductivity.
- 5.0 Project specification shall require a project close-out sheet (furnished by the University) to be completed by the Mechanical Sub-Contractor.