230040-H: SUPPLEMENTAL HYDRONIC SYSTEMS AND SPECIALTIES (15515-H)

Related Sections

Basis Guideline: 230040 – “Hydronic Systems and Specialties”
For an explanation of the use of these guidelines, see “Design Guidelines for UMHHC Facilities”

Included as part of this UMHHC guideline section are the details described within the following UM Master Specification sections:
- MS221113 – “Basic Piping Materials and Methods”
- MS230040 – “Hydronic Systems and Specialties”

The UM Master Specifications may be used as a reference and/or basis, but the A/E is completely responsible for contract specifications (meeting the intent of the UMHHC Guidelines and Preferred Manufacturers List) that are used in UMHHC projects.

UMH Standard Details:
- D 15515.002 “Automatic Water System Air Vent Detail”

Design Requirements

Hydronic balancing shall be accomplished thru the use of manual balancing valves. The use of automatic balancing valves has not proven reliable and is discouraged. The use of automatic balancing valves shall be considered only upon approval from the UMH Mechanical Engineer on a project-by-project basis.

Cooling Tower (Condenser Water) Systems

Specify the use of a side-stream coalescing type separator (i.e. Spirotherm) for filtration of all condenser water systems.