

SECTION 15730

EQUIPMENT ROOM AIR CONDITIONING UNITS

PART 1 GENERAL

1.1 SUMMARY

- A. This section describes minimum requirements for equipment room air conditioning units.

1.2 SYSTEM DESCRIPTION

- A. Existing equipment rooms are cooled with water cooled air conditioners with economizer cooling coil. These units are connected to the building chilled water system, and are capable of cooling directly with the chilled water through a hydronic cooling coil, with the use of a refrigerant coil, with the condensing system cooled with the chilled water.
- B. New equipment room air conditioning units shall include economizer cooling coils.

PART 2 PRODUCTS

1.3 GLYCOL COOLED AIR CONDITIONING UNITS

- A. Provide units with direct expansion cooling and glycol cooled condensing units.
- B. Economizer cooling coil, three-way valve assembly, and controls to switch to economizer mode automatically when the glycol cooling water is cool enough to provide free cooling.
- C. Controls:
 - 1. Microprocessor based.
 - 2. Alarms: Interface with the building automation system with the following points:
 - a. System Trouble.
 - b. High temperature.
 - c. Dirty filter.
- D. Return air filter housing and filter. Provide disposable pre-filter meeting the requirements for prefilters in Section 15720.

PART 3 EXECUTION - NOT USED

END OF SECTION