

SECTION 11375 - COMPRESSOR AFTERCOOLER

City of San Diego, CWP Guidelines

PART 1 - GENERAL

1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing [an] aftercooler and oil separator unit[s] complete and workable, with all connections, supports, controls, valves, drains, gauges, and other accessories and appurtenances for cooling and oil separation of air compressor discharge prior to its entry into the air receiver, as indicated.

1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
1. Section 11370 Blowers, Compressors, and Vacuum Pumps, General
 - [2. Section 11376 Air Dryers]

PART 2 - PRODUCTS

2.1 COMPRESSOR AFTERCOOLER

- A. **Construction:** The aftercooler shall be of the shell and tube type, with corrosion-resistant tubes and tube sheets, and steel or cast-iron shell and air headers. The outlet of the aftercooler shall be flanged to an oil and water separator of the centrifugal type, with automatic condensate drain trap. Air inlet and outlet flanges shall be []-inch ANSI 150-lb. The cooler shall be mounted on fabricated steel brackets. Water inlet and outlet connections shall be []-inch N.P.T. with [solenoid valve] controlled inlet, and temperature gauge with throttling valve in the outlet. Aftercoolers shall be ASME code stamped.
- B. **Capacity:** The aftercooler shall have a capacity of not less than [] scfm at [] psig, and a water inlet temperature of approximately [] degrees F, at [] degrees approach.

2.2 NAMEPLATES, TOOLS, AND SPARE PARTS

- A. **Spare Parts:** The WORK includes the following spare parts:
1. One set of all gaskets
 2. One solenoid valve for cooling water
 3. One temperature gauge for cooling water

Spare parts shall be stored in tool boxes, and identified with the equipment number by means of stainless steel or solid plastic name tags attached to the box.

2.3 MANUFACTURERS

- A. Aftercoolers of the type indicated shall be manufactured by one of the following (or equal):
 - 1. ITT Standard
 - 2. Young Radiator Company

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Installation requirements shall be as specified in Section 11000.

**** END OF SECTION ****