SECTION 15112 - SOLENOID VALVES

City of San Diego, CWP Guidelines

PART 1 -- GENERAL

1.1 WORK OF THIS SECTION

A. The WORK of this Section includes providing all solenoid valves as indicated, complete and operable.

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 15100 Valves, General

PART 2 -- PRODUCTS

2.1 VALVE CONSTRUCTION

A. Solenoid valves shall be of the size, type, and class indicated and shall be designed for not less than 150 psi water-working pressure. Valves for water, air, or gas service shall have brass or bronze bodies with screwed ends, stainless steel trim and spring, Teflon or other resilient seals with material best suited for the temperature and fluid handled. Solenoid valves in indicated corrosive environments shall have stainless steel bodies. For chemicals and all corrosive fluids, solenoid valves with Teflon bodies and springs or other suitable materials shall be used. General purpose enclosures for indoors shall be NEMA type 2. For explosion-proof, corrosive, special purpose, or outdoor locations NEMA type 4, 7, 9, 9E, 9F, or 9G enclosures shall be used, as applicable. All coil ratings shall be for continuous duty. For electrical characteristics, see electrical drawings or specifications.

2.2 MANUFACTURERS

A. Valves of the type or model indicated shall be manufactured by one of the following (or equal):

1. For general duty:

   Automatic Switch Co. (ASCO), Model "RED HAT"
   Magnatrol Valve Corporation

2. For corrosive fluids:

   Valcor Engineering Corporation
   GF Plastic Systems, Inc.

PART 3 -- EXECUTION

3.1   INSTALLATION

   A.   Solenoid valves shall be installed in accordance with all mechanical, electrical, and instrumentation drawings and specifications where required for the specific operation.

   B.   All valves shall be installed in accordance with the manufacturer's printed recommendations.

** END OF SECTION **