**4700 Vertical Multistage Pumps**

File No: 47.101

Date: October 21, 2016

Supersedes: New

Date: New

Typical Specifications

Supply and install as shown on plans and specifications Armstrong Series 4700 Vertical Multi Stage Pump. The pump shall have continuing rising curve from minimum head to shut off condition and shall have a motor installed that is suitable for the full range of the published performance curve.

All hydraulic components shall be manufactured from Type 304 stainless steel with a AISI 304 SS casing. The stainless steel shaft shall be made of either AISI304, 316 or 329A depending on the model number and shall be fitted with Tungsten Carbide shaft sleeve bearing. The mechanical seal shall be suitable for the full pressure and temperature range of the pump and shall be fitted with Silicon Carbide rotating face and Carbon stationary face. The cartridge mechanical seal design enables replacement without disassembling the motor bracket

The base mounted pump shall be assembled in a vertical shaft configuration with the suction and discharge connections being in-line at the bottom. Suction and discharge connections shall have same size flanges drilled for ANSI 300 lb rating.

The low axial thrust impeller design enables a longer motor bearing life and air vent in casing cover allows for proper venting that prevents air entrapment and dry runs. The liner ring is a self-aligning, floating design constructed to prevent swilling at high temperatures. Supply a standard NEMA design, 'C face' 2-pole squirrel cage induction type motor with NEMA Prem (12.12) efficiency and TEFC enclosure. Coupling shall be protected by a guard