SINGER HYDRAULIC CONTROL VALVE SPECIFICATION

The valve shall be a hydraulically operated, globe valve. The inner valve assembly shall be top and bottom guided by means of easily replaceable bearing bushings. The inner valve assembly shall be the only moving part and shall be securely mounted on a stainless steel stem. The stainless steel stem shall be provided with wrench flats for ease of assembly and maintenance.

All pressure containing components shall be constructed of ASTM A536-65/45/12 ductile iron. The flanges shall be designed to ANSI Class 150.

For smooth "frictionless" motion, actuation shall be by diaphragms, either flat or rolling type, constructed of nylon fabric bonded with synthetic rubber. The diaphragms shall not be used as a seating surface. No lip seals or packing may be used to seal the actuator.

The valve cover shall have a separate spring cap giving access to the stem for alignment check and ease of assembly.

The stainless steel seat ring shall be easily replaceable with no special tools.

The valve shall form a drip tight seal between the stationary stainless steel seat ring and the resilient disc, which has a rectangular cross-section and is retained by clamping on three and one half sides. The resilient disc shall be constructed of Buna-N.

The valve shall be tested prior to shipment. The standard test shall include a pressure test and a full functional, operational test, when pilots and accessories are fitted to suit a particular application.

The valve shall be covered by a minimum three (3) warranty against defects in materials and workmanship. The stainless steel seat ring shall be covered by a lifetime replacement warranty.

The valve shall be a Singer Model 206PR-C-R Pressure Reducing/Pressure Sustaining Valve, c/w pilot check valve feature.

The complete assembly shall be NSF-61 Certified and supplied by Syntec Process Equipment Ltd., 905-951-8000, or approved equal.