Model 206-PGM
Reduced Port, Integral Back-Up, Dual Diaphragm Automatic Control Valve

Specifications:

- Valve(s) shall be a hydraulically operated globe (angle) valve complete with an integral back-up actuator. The inner valve assembly shall be top and bottom guided by means of easily replaceable bearing bushings. In normal operation, the inner valve assembly shall be the only moving part and shall be securely mounted on a 316 stainless steel stem. The secondary system shall include a separate operating chamber and components, which will provide independent control on the primary valve. The stainless steel stem shall be provided with wrench flats on all valves 4" (100mm) to 10" (250mm), for ease of assembly and maintenance.
- All back-up components shall remain stationary, unstressed and will not interfere with normal valve operation until required.
  - Back-up operation shall be initiated by either a remote emergency close signal or the controlled function being out of normal operating limits.
- All pressure containing components shall be constructed of ASTM A536-65/45/12 ductile iron. The flanges shall be designed to ANSI Class 150 or Class 300 standards. Flange drilling to ANSI shall be standard however British, ISO and other drillings shall be available upon request.
- Valve(s) shall have a protective fusion bonded epoxy coating internally and externally. The protective fusion bonded epoxy coating shall conform to the ANSI/AWWA C116/A21.16 (current version) specification.
- Valve(s) 10" (250mm) and smaller shall provide smooth "frictionless" motion with actuation being achieved by the use of a flat style EPDM diaphragm. They shall be 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.
- Valve(s) 12" (300mm) and larger shall provide smooth "frictionless" motion and maximum low flow stability with actuation being achieved by the use of the Singer rolling diaphragm technology. The diaphragms shall not be used as a seating surface. No lip seals or packing may be used to seal the actuator.
- Bonnets shall be accurately located to bodies utilizing locating pins. Locating pins shall eliminate corrosion resulting from the use of uncoated ductile iron to ductile iron surfaces.

Singer Valve Inc.
12850 - 87th Avenue • Surrey, British Columbia, Canada V3W 3H9
Tel: 604 594 5404 • Fax: 604 594 8845 • Toll-Free Fax (US & Canada): 1 800 663 7266
E-Mail: singer@singervalve.com • singervalve.com
An ISO 9001:2000 Registered Company

- The 316 stainless steel seat shall be bolted in place, utilizing "Spiralock" thread tapping technology. The 316 stainless steel seat ring shall be easily replaceable without special tools.
- The valve(s) 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 or EPDM for normal service conditions.
- All external fasteners shall be 18/8 stainless steel with 18/8 washers.
- All repairs and maintenance shall be possible without removing the valve from the line. To facilitate easy removal and replacement of the inner valve assembly and to reduce unnecessary wear on the guide, the stem shall be vertical when the valve is mounted in a horizontal line.
- Each 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(s) shall be covered by a minimum three year (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…. Refer to other Catalog Sections for further details.

Singer Valve Inc.
12850 - 87th Avenue • Surrey, British Columbia, Canada V3W 3H9
Tel: 604 594 5404 • Fax: 604 594 8845 • Toll-Free Fax (US & Canada): 1 800 663 7266
E-Mail: singer@singervalve.com • singervalve.com
An ISO 9001:2000 Registered Company