



## **TECHNICAL SPECIFICATION**

### TRIAD SEGMENTED V FLOW VALVES SERIES 90SV/93SV/96S

Segmented V port ball valves shall be Triad Series 90SV/93SV/96SV and shall be automated with Radius electric and pneumatic actuators and be available with a spring return electric actuator throughout the size range.

Valve seats shall be available in PTFE for Class VI shutoff, and Class IV shutoff for temperatures to 750° F.

The valve shall be manufactured with a contoured v-notch that provides excellent control characteristics for an extensive variety of flow applications. All seats shall be self-adjusting. All seats should be field repairable to ensure low cost maintenance. The seats shall be spring loaded to maintain constant contact with the ball providing enhanced sealing performance.

The valve accuracy shall be .5% over the full range and a positioner that produces more the 200 points of resolution over the 90° range with pneumatic actuators and 450 points or resolution with electric actuators.

The valve ball shall have an unobstructed flow path at full opening. The valve ball shall produce a rangeability of 200:1. The valve ball to seat design shall produce a shearing action for long life on slurry applications. The ball shall be available with special designed v notches to provide for low flow.

The valve shaft shall be pressed fit to the actuator output eliminating any hysteresis. The valve shall be available with special trim to aid in the elimination of noise, cavitation and vibration.

Bodies shall be manufactured in WCB and CF8M and be available in special alloys including Duplex and Hastelloy C. Bodies shall meet ASME B16.10 and ANSI B16.34.

The valve shall be available in 150# 300# and 600# pressure classes in both flanged style and wafer.