

11 Good Reasons to Use VALMATIC Segmented Ball Valve

Precise Control

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The V-notch ball design provides **equal percentage** flow characteristics comparable to that of a globe valve while being more compact, lightweight and offers greater economy.

Cost Effective

2. Control Small Flow Precisely

For smaller flow control, different segment designs of different Cv values are available for precise control.

Long Lasting

3. Splined Stem

The segmented ball and shaft are connected via spline. This provides additional strength under high loads, efficient torque transmission and precise control.

Servicability

4. Spring Loaded Seat

A spring-loaded seat has **constant contact** with the ball. This ensures good seating performance even at low differential pressures.

5. Strong Cutting Force

The V-notch ball provides a strong cutting force suitable for fluids with fibres and dirty media. As a standard, the metal seat is **Stellite** hard-surfaced and the disc is **Hard Chrome** coated for added durability and a long-lasting service life.

High temperature configurations and PTFE seats are available according to specific application requirements.

6. Lower Friction

The quarter turn design provides easier sealing and lower friction at the stem packing, reducing wear and extends service life.

7. Low Operating Torque

The segment ball has less than half surface engagement compared to a full bore ball valve. Low friction requires lower operating torque and increases the lifecycle of the valve. This also allows a smaller actuator to be used, lowering the initial cost.

8. High Flow Capacity

The split stem design allows for unobstructed, high flow capacity which is 3-4x higher than a comparable size globe valves making it a more cost-effective choice.

9. Self Cleaning

The self-cleaning action of the ball against the seat makes the valve particularly suitable for dirty media including fibres and solids.

10. Replaceable Seat

The seat can be replaced without needing to disassemble the valve or actuator, making service and maintenance fast and easy. **Retainer ring assembly available for high temperature valve configuration.*

11. Robust and Reliable Controls

Pneumatic and electric actuators are available for automatic remote control requirement. Pneumatic piston actuators offer robust and reliable operation up to **1,000,000 cycles**.

