Increase Availability with Fisher™ V500 and CV500 Control Valves

FISHER™

Addressing the need for better control in hard-to-handle applications

Erosive applications take a toll on process availability

Availability is one of the key concerns in plants today. Repairing or replacing your valves repeatedly results in downtime and reduced productivity.

Rotary severe service is defined as rotary control valve applications in which service or process conditions lead to constant wearing of the valve. These conditions are caused by dirty, erosive, coking, corrosive, viscous, and other hard-to-handle fluids.

They can cause lack of process control, frequent maintenance, unacceptable operating life, and poor shutoff.

Fisher™ V500 Control Valve Assembly with 2052 Actuator and FIELDVUE™ DVC6200 Digital Valve Controller

A control valve solution for dirty and erosive fluids

With Fisher V500 and CV500 rotary globe valves and their ability to battle erosion and control hard-to-handle fluids, you can reduce maintenance costs and increase plant availability.

Fisher V500 and CV500 rotary eccentric plug valves are designed for erosive process applications, built tough for control, and intended for performance-demanding situations. They are known for their ability to fight off the effects of hard-to-handle fluids with rugged components and application versatility. The V500 valve has been proven in tough applications across multiple industries since being introduced in 1984.

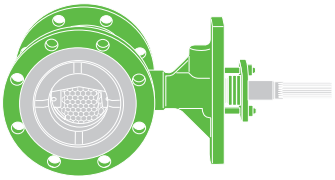
EMERSON™

Achieve Better Control in Erosive Applications with Fisher V500 and CV500 Eccentric Plug Valves

When all other valves fail to withstand your demanding erosive, dirty, and abrasive applications, turn to Fisher V500 and CV500 valves. The V500 valve is available in a wide variety of trim materials and the CV500 valve uses a V-shaped ball to provide increased flow capacity and more precise control.

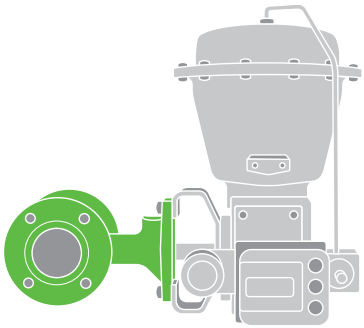
Versatile Trim Materials

With a broad range of trim options to configure in your V500 valve—from 316 stainless steel to ceramic—you get the versatility needed to meet the most severe, erosive application requirements in your unique process.



Cavitrol™ Hex Trim

Combines the efficiency of a CV500 with the energy absorbing capability of a special trim to provide improved performance for demanding applications. It is designed for liquid service to reduce noise and cavitation effects that cause pipeline vibration.



Durable Valve Design

The rugged quality of the Fisher V500 and CV500 valve construction enables longer-lasting performance so you can reduce maintenance costs and increase plant availability.

Additional Benefits of V500 and CV500 Valves

- **Extend Operating Life:** Both sides of the seat ring have a shutoff surface, allowing it to be flipped over to extend operating life. The seat ring also self-centers, self-laps, and dynamically aligns with the plug to consistently achieve the ANSI Class IV leakage protection you need.
- **Take Advantage of Reverse Flow:** For erosive applications, the recommended flow direction for V500 and CV500 valves is with the shaft upstream, so that high-velocity flow is isolated in the port or outlet area. Erosion-resistant materials help protect the seat ring and retainer for easier maintanence.
- **Achieve Higher Performance:** When coupled with a Fisher pneumatic actuator and FIELDVUE™ DVC6200 digital valve controller, the V500 or CV500 valve assembly provides excellent installed performance. It helps control closer to setpoint, extends operating life, and battles erosion effectively in your most critical processes.

Learn More

- **V500 Product Webpage**
- **CV500 Product Webpage**
- **Find an Emerson sales office near you**

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Cernay, 68700 France
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