

# Fisher Controls Furnace Feed Valve

Severe Service Technology



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Customer Problem: Extracting bitumen from the sand is a challenge for Canadian oil producers. Applying valves to control the extraction or separation process is also a challenge because bitumen can be very erosive.



The V500 eccentric plug rotary valve controls erosive and hard to-handle fluids, providing either throttling or on-off operation. The valve's design features include streamlined flow passages, rugged metal trim components, and a patented, self-centering seat ring.

Fisher V500 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.

## Local Service

Spartan's Fort McMurray repair facility offers 18,000ft<sup>2</sup> of shop space with dedicated service advisors, valve and actuator technicians. 10T bridge crane w/ 20feet lift height and a hydro stand capable of shell and seat leak testing for up to 36" valves makes for safe, efficient and effective repairs

## 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.

## Features:

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 maintenance

Allow Spartan Controls to be your valve partner for your oil sands applications.

Contact Matt Neilands at Spartan Controls Calgary.  
403-695-2570



# A control valve solution for dirty and erosive fluids.

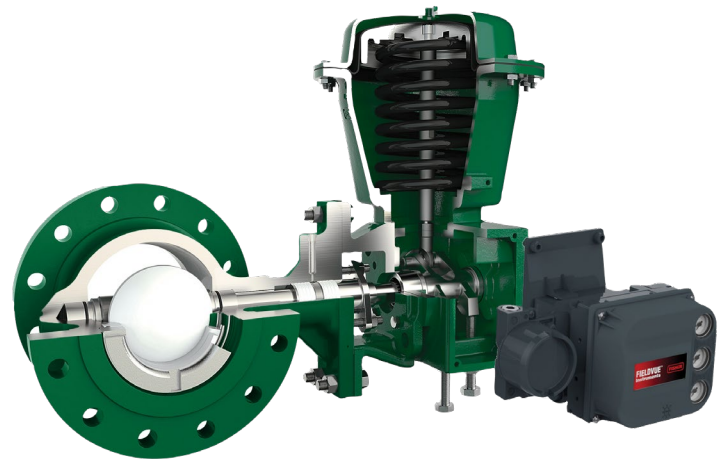


Furnace feed applications are challenging because of the erosive flow, high temperature, and composition of the hydrocarbon. Coke fines in the process provide additional challenges surrounding erosive flow and coke buildup within the valve. Optimizing this process is becoming increasingly important, and good measurement is a key factor in effectively evaluating operations. These valves protect the furnace radiant section tubes and are critical to prevent overheating and resultant failure of the entire furnace.

## Spartan Oil Sands Solution

The Fisher™ V500 Eccentric Plug Valve for furnace feed applications was designed to address erosive flows at high temperatures. The Fisher™ FIELDVUE™ DVC6200 digital valve controller keeps the flow rate tightly controlled and will provide alerts if any issues arise.

- Control the flow rate
- Avoid clogging
- Fine-tune the combustion process



Call us or request a quote online 24/7 + 1 (877) 278-6404

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