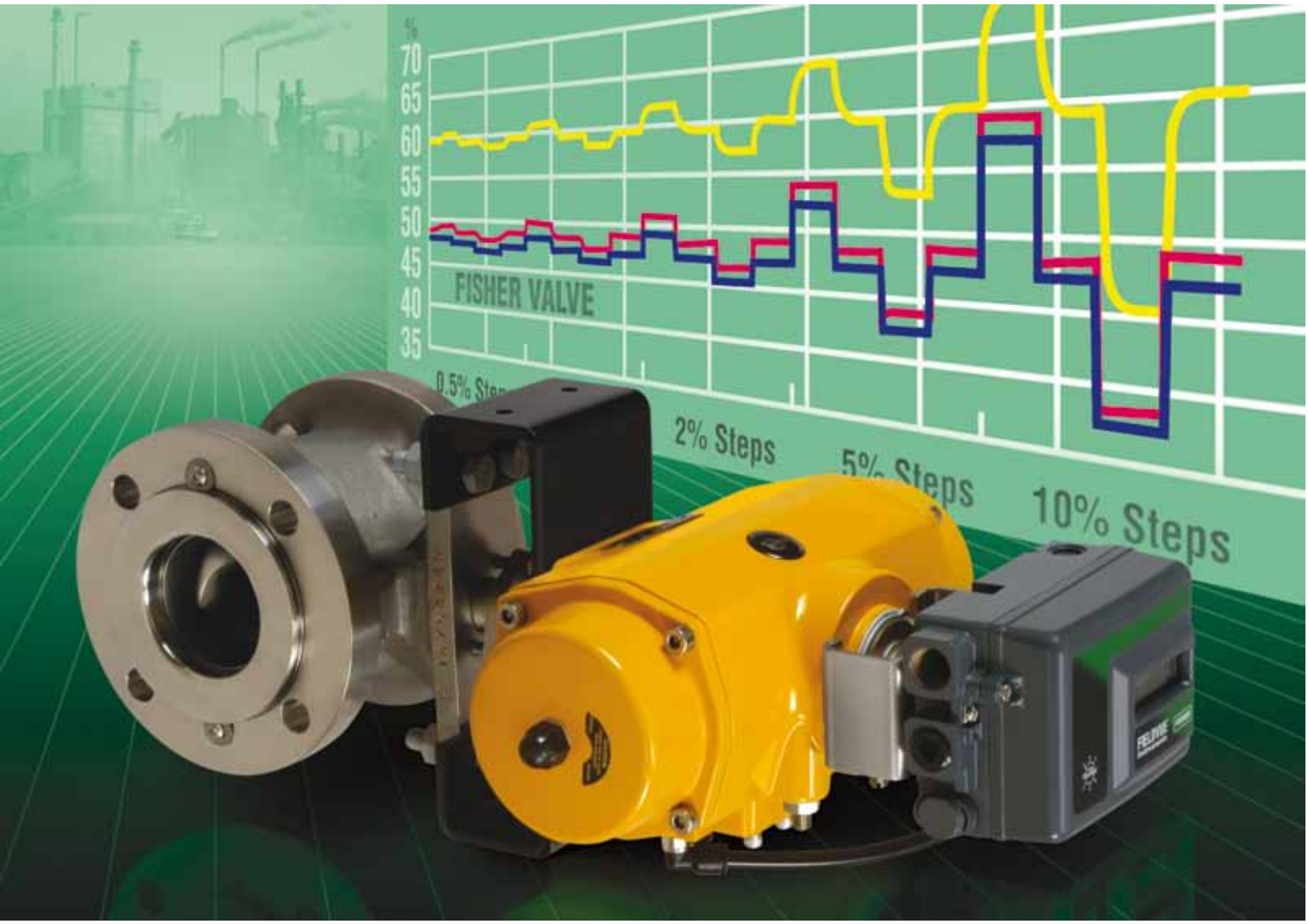
Fisher® Pulp and Paper Solutions

The new Vee-Ball™ package: Improving plant efficiency and economic success.



FISHER®

EMERSON.
Process Management

Introducing a new Fisher® Vee-Ball™ package

Today's global pulp and paper industry is rapidly growing with the ever-increasing use of paper products. In fact, industry averages show the typical mill's output reaching 1,500 tons per day. High capacity demands, together with constant revenue pressures, mean that your mill's processing systems must perform as required, day-in and day-out. To do so requires devices that deliver high performance, exceptional reliability and cost-effective process control.

Emerson Process Management introduces an innovative control valve package that increases the life and reliability of your process. And it's all within a single unit.

Package Includes:

◆The Fisher Vee-Ball™ V150 valve. A proven choice that offers longer operating life and lower life cycle cost.

◆The FieldQ™ actuator. Built on proven technology, it has been installed on over two million units.

◆The Fisher FIELDVUE™ DVC2000 digital valve controller. Designed to meet your needs, the DVC2000 instrument incorporates powerful diagnostic capabilities in an easy-to-use package with automatic calibration and tuning capabilities.

All components of the new Fisher Vee-Ball package work together to improve plant efficiency and economic success.

High Capacity Vee-Ball Valve

Giving you superior efficiency and outstanding ruggedness for general or fibrous slurry service.

Consider these Vee-Ball advantages:

• Characterized V-notch ball design - The V-notch ball provides positive shearing action for fibrous flows and creates an inherently equal percentage flow characteristic. It has been specially contoured to maximize capacity and enhance seal life and shutoff integrity. The Vee-Ball valve offers high capacity with its unrestricted, straight-through flow path. The result is accurate throttling control over a wide range of flow conditions.

• Heavy Duty seal - The heavy-duty ball seal offers exceptional wear and pressure drop performance over a wide range of steam, gas, liquid and slurry applications. The metal seal is pressure-balanced, which reduces operating torques and allows higher pressure drops without excessive wear.

• Structural integrity - One-piece body improves structural integrity of the pressure boundary by eliminating the potential leak paths found in two-piece, bolted valve designs.

• Easy seal inspection - Once the valve is removed from the pipeline, just remove two screws and the seal assembly is easily extracted from the body. No need to disassemble the valve body or remove the actuator. Metal and soft seals are fully interchangeable.

Easy-to-Use FIELDVUE DVC2000 Digital Valve Controller

Automatic calibration and tuning capabilities make the DVC2000 instrument simple to apply, operate and maintain.

Consider these DVC2000 digital valve controller advantages:

- Local user interface - Its local user interface includes a liquid crystal display and pushbutton operation, and it supports multiple languages including Spanish and English. It can be used to initiate a quick setup routine that calibrates and tunes the instrument specifically for the V150.

- Linkageless, non-contact position feedback - There are no touching parts between the instrument and valve shaft, simplifying controller installation and maximizing cycle life.

- Valve diagnostics - Diagnostic capabilities can be used to monitor control valve condition. Diagnostic tests can be performed on-line, with no interruption to the process, or off-line when the process is shut down or the valve bypassed.

- Optional integrated position switch and position transmitter - It's available with an integrally mounted position transmitter and two integral limit switches. The transmitter provides a 4-20 mA signal for position verification, and the switches can be configured to indicate open and closed positions at any point within the calibrated travel.

Integrated FieldQ Actuator

Its integrated plug & play modules eliminate common failure points and significantly reduce maintenance time.

Consider these FieldQ actuator advantages:

- Proven reliability - Based on proven technology – with an installed base of over two million units – and crafted for superior and safe performance over time, the FieldQ actuator has been subjected to over one million open/close cycles. The balanced pinion design uses seals with low surface pressure and low wear, effectively reducing the maintenance requirements.

- Long service life - Three carbon filled PTFE (polytetrafluorethylene) guide bands provide a low friction bearing surface for piston alignment and rack support. Elimination of metal-on-metal contact between the pistons and cylinder wall reduces friction for outstanding cycle life, smooth piston travel and maximum power.

- Corrosion resistant - An integrated breather function provides protection of the actuator spring chamber from any corrosive elements in the atmosphere. Anodized internals and a corrosion resistant polyester powder coat finish ensure long-term reliability in aggressive atmospheres, exceeding a 1,000 hour salt spray test.

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