### **Fisher® Level Loop Solutions**

Maximizing your production now—and in the future







# What if you could...

Reduce environmental compliance concerns? Utilize your expert technicians to their full potential? Improve the operation of your entire wellfield? Increase visibility into your production equipment? Integrate new technology at your wellpad easily?

## ...take control?

The upstream oil and gas industry is changing. More stringent environmental regulations, loss of experienced personnel, and a need to maximize production may lead you to believe that managing the production equipment at your wellpad is beyond your grasp. Now, with the help of Emerson, you can take control.

## Partner with Emerson for peace of mind

For over 130 years, Emerson has worked alongside facilities just like yours; helping you achieve environmental compliance, making it easier to commission and automate your production equipment, and offering reliable level solutions. With low emissions packing and intuitive field retrofittable designs, Fisher® level loop solutions provide you the ability to maximize your valve productivity and gain visibility to your remote production equipment.

That said, we understand you want the flexibility to choose the technology that will help automate your production equipment. Use this brochure as a guide to ensure you get the most appropriate Fisher level loop solution for your separator applications.

## FISHER LEVEL LOOP SOLUTIONS INSTALLED WORLDWIDE

4.5







### Some things get better with time

Since the 1920s, hundreds of thousands of Fisher pneumatic level control loops have been installed globally. Decades of field experience and design improvements make the Fisher pneumatic level loop solution one you can trust. Continuous enhancements over the last 90 years have allowed us the opportunity to provide a solution that is time-tested for simplicity and reliability.

#### Release of the first Fisher float valve

- Simple Mechanical Design: Aimed to provide fluid level control.
- Variations of float level valves are still used today, although the mechanical float design does not provide precise level control.

#### Introduction of the Fisher Type 2820 float actuated level controller

1966

- Snap-Acting or Throttling Design: Rugged level controller with adjustable nozzle settings.
- High Bleed Design: increased sensitivity for improved control.

#### Release of the Fisher 2660 Series level controller

- Easy Adjustment: Designed for on-off or throttling level control.
- Field Maintainable: Control and sensor easily disassembled for maintenance.
- Flexible Control: Interface control of two liquids with different specific gravities.

#### Introduction of the Fisher L2sj low emission liquid level controller

- Reduced Carbon
  Footprint: Low-bleed relay further helps conserve natural gas
   to reduce greenhouse gas emissions.
- Low Supply Pressure: Can operate down to 0.34 bar (5 psi) supply pressure for coal seam applications.
- Easy Installation: Simplified dry and wet setup and adjustments.

## The future of level loop control is here

As your operational challenges become increasingly complex, you need to gain full visibility of the health of your well while remaining compliant with evolving environmental regulations. With this in mind, Emerson pioneered the first fully electric level loop solution. This solution will simplify compliance with environmental requirements, provide new insight into your process, and allow personnel, regardless of experience, to focus on what matters most to you—safely maximizing production. Simply put, using the Fisher electric level loop solution can help take your operations to new levels.

#### Field-proven Performance

 Quantified reliability to >1,000,000 level dump cycles.

#### **Flexible Loop Tuning**

EVEL CONTROLLER

 Field-adjustable differential gap from 0.5 to 560 millimeters (0.2 to 22 inches) with interface control capabilities.

LZE ELECTRIC

LEVEL CONTROLLER

#### Field Configurable Displacer

 Displacer may be adjusted in the field for vertical or horizontal operation without additional parts.

### easy-Prive™ ELECTRIC ACTUATOR WITH P3 VALVE

#### **Environmental Stewardship**

 Eliminates controller dump valve venting while also reducing compliance concerns.

#### Ease-of-Use

 Calibrate by traveling open and closed—no switches to set.

#### Low Power Consumption

 Can operate from solar-charged battery systems at 12 or 24 VDC

#### Field Selectable Flow Rates

 FloPro feature allows field adjustment of capacity without changing the trim.

### Change can be easy

Now you know maximizing your production is a possibility. Incorporating the equipment to do so is the next step. Whether you are updating equipment at an existing well, or you are planning for future sites, choosing the Fisher electric level loop solution will reduce the complexity of integrating new level loop technology.

EASY CONVERSION TO ELECTRIC LEVEL LOOP CONTROL WITH SIMPLE PROP-IN REPLACEMENT OF YOUREXISTING PNELIMATIC EQUIPMENT easy-Drive 26 ELECTRIC LEVEL CONTROLLER L CC LEIEISTI easy-Drive ELECTRIC LZE ELECTRIC ACTUATOR WITH FISHER D3 VALVE LEVEL CONTROLLER 6

### Optimizing your loop was just made simpler

Gain optimum efficiency of your production equipment by using Emerson's level loop optimizer software. When using the Fisher electric level loop solution, the optimizer software will help you select the correct valve and controller settings to meet your specific operating requirements. The optimizer software lets you choose how to operate your production equipment based on your key performance metrics. In other words, you're controlling the equipment—it's not controlling you. Contact your local Emerson sales office to make your loop work for you.



STEP 3: VALVE AND CONTROLLER SELECTED TO IMPROVE YOUR LEVEL LOOP EFFICIENCY

7



Realize the full potential of your production equipment. Click on or scan the QR code to watch videos and for more information.





Emerson Process Management Marshalltown, Iowa 50158 USA Sorocaba, 18087 Brazil Chatham, Kent ME4 4QZ UK Dubai, United Arab Emirates Singapore 128461 Singapore www.Fisher.com http://www.YouTube.com/user/FisherControlValve

http://www.LinkedIn.com/groups/Fisher-3941826



Emerson's global network of Fisher service centers provide trusted expertise using highly skilled technicians when and where you need them. Contact your local sales office to access this network. Click on or scan the QR code.

© 2014 Fisher Controls International LLC. All rights reserved.

Fisher and easy-Drive are marks owned by one of the companies in the Emerson Process Management business unit of Emerson Electric Co. Emerson Process Management, Emerson, and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, nothing herein is to be construed as a warranty or guarantee, express or implied, regarding the products or services described herein or their use, performance, merchantability or fitness for a particular purpose. Individual results may vary. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice. Responsibility for proper selection, use and maintenance of any product or service remains solely with the purchaser and end user.





D352313X012 / MZ166 (H:) / Mar14