



PRODUCT DATASHEET

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Fisher® Gen2 easy-Drive™ Electric Actuators

Improving Operational Reliability



Fisher Gen2 easy-Drive Electric Actuators



Fisher D4 valve with
Gen2 easy-Drive electric actuator



Fisher D3 valve with
Gen2 easy-Drive electric actuator

Lasting Reliability

Set it and forget it. The Gen2 easy-Drive electric actuator design is based on extensive field testing and application engineering expertise. The new model gives you confidence that your control valves will perform as expected, regardless of application conditions.

Improved Operations

Know the health of your wellhead at all times, even in the middle of the night. The Gen2 easy-Drive electric actuator connects to your existing Modbus network, enabling 24/7 monitoring capabilities without sending personnel to the site.

Environmental Stewardship

Protect the environment from methane gas venting. As regulations become more stringent, the elimination of venting keeps you compliant. Also, less time will be spent calculating emissions of your wellhead control equipment.

Technical Specifications

The Gen2 easy-Drive electric actuator specifications include low energy requirements of 12 or 24VDC operation, maximum current draw of 3.5A when moving, and an at-rest power draw below 1/3W. The control signal can be Modbus RTU (RS-485), 4-20 mA, or dry contact, configurable within the Modbus registers. Operating temperature range is -20°C to 70°C (-4°F to 158°F), which eliminates the need for heaters.

The Gen2 easy-Drive electric actuator can control pressures up to 4250 psi on the D4 valve. Class IV shutoff can be maintained indefinitely without power.

Product Benefits

- Stable operation, despite application conditions
- Remote monitoring reduces trips to the field
- Zero venting of product to the atmosphere
- Low power requirements
- Simple set-up and operation
- Diagnostics available over Modbus protocol

Complete Electric Wellhead from Emerson Process Management

Fully integrated and supported electric wellhead solutions are available from your local Emerson sales office.

- Fisher electric level solution—Gen2 easy-Drive electric actuator and L2e electric level controller
- ROC, FloBoss™, and ControlWave RTUs and flow computers
- Rosemount™ pressure, level, and temperature sensors
- Daniel™ and Micro Motion™ flow meters

“With the installation of the Gen2 easy-Drive, we realized \$10,200 USD in savings per year on parts costs for a single valve.”

- **Operations Manager, Natural Gas Producer**

Yellow and green represent responsible natural gas control backed by Fisher product reliability.

Application Specific

Level control allows different open and close points for operational stability.

Ease of Use

Calibrate by opening and closing. No switches to set.

Low Power Consumption

Capable of being operated from solar charged battery systems from 9 to 30VDC, 15mA at rest.

Reliable Brushless DC Motor

Motor and controls are designed for remote field operation.

Sealed Gearbox

The permanently lubricated gearbox eliminates the need for cleaning and regreasing.

Explosion-Proof Housing

Approved for Class I, Division 1, Groups C, D (Zone 1, IIA EX db, ATEX). IP66/NEMA 4X.

Field-Selectable Flow Rates

FloPro feature allows field adjustment of capacity without changing the trim on D3 valve.

Easy and Safe Maintenance

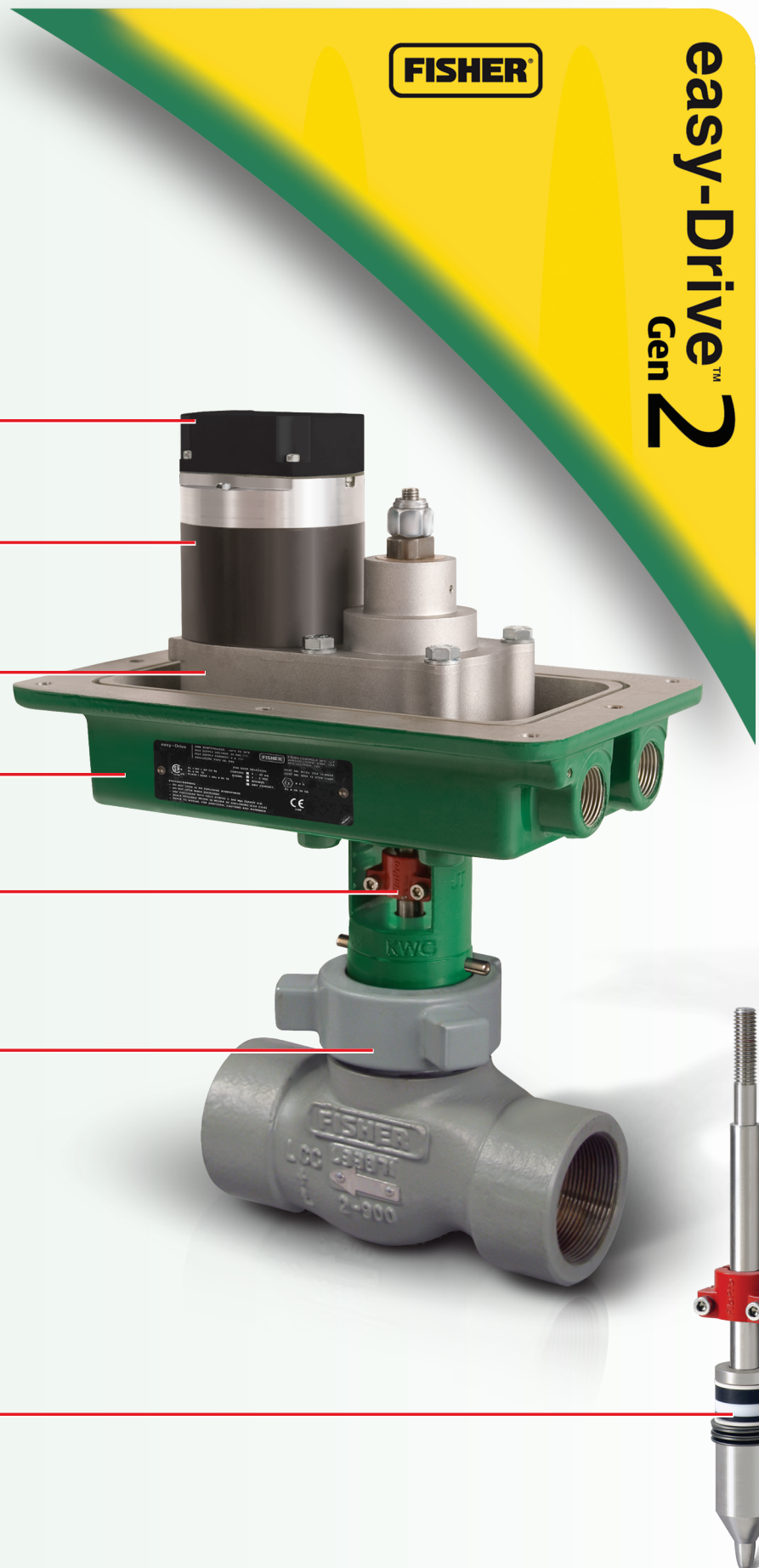
Deep-bore hammer nut for easy removal of actuator/bonnet assembly to access the plug and seat. Maintains thread engagement until after process boundary is broken for user safety.

Flexible Control

Modbus RTU (RS-485), 4-20mA or dry contact.

Excellent Emissions Control

ENVIRO-SEAL™ packing technology provides an improved stem seal to minimize fugitive emissions below 500 ppm.



HA HIGH ACCURACY

m e a s u r e m e n t i n s t r u m e n t s

Our offering:

	Pressure Measurement		Level Measurement
	Temperature Measurement		Flow Measurement
	Marine Measurement & Analytical		Gas Analysis
	Liquid Analysis		Flame and Gas Detection
	Tank Gauging		Wireless Infrastructure
	Acoustic & Discrete		

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may we also recommend the following:**



“Fisher® L2e Electric Level Controller”



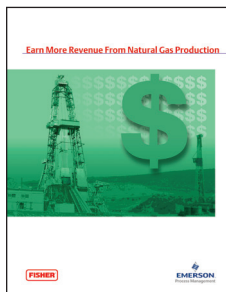
“Fisher® FIELDVUE™ DVC6000 Natural Gas Certified: Integrated Primary Process Seal”



“Fisher® C1 Pneumatic Controller: Reduces Energy Use, Increases Profits”



“Fisher® i2P-100 Electro-Pneumatic Transducer: For Safer Operations and Improved Up-Time”



“Earn More Revenue from Natural Gas Production”



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