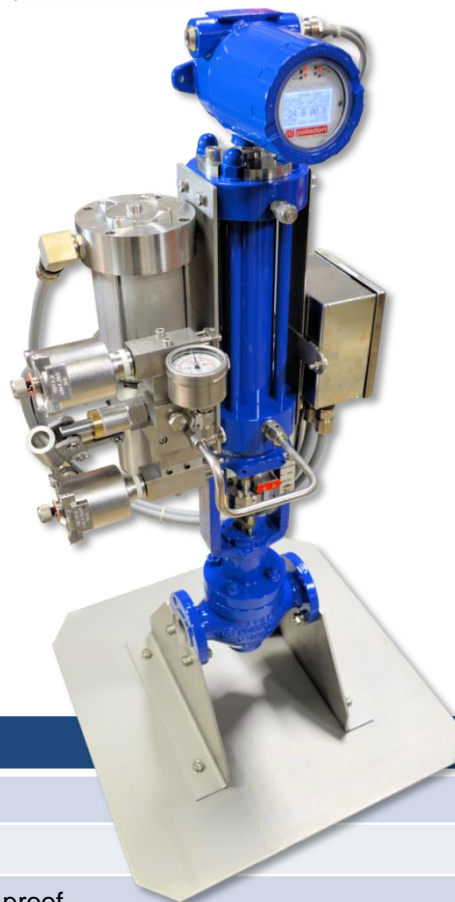


Originally developed for the offshore Oil & Gas Industry, Paladon Systems Compact Self-Contained Electro-Hydraulic Positional Control Systems provide a rugged and reliable valve automation solution. Typically used in applications where external pneumatic or hydraulic power sources are unavailable, unreliable or uneconomic, these fully customizable systems:

- Utilize spring-return actuator designs with Belleville washers that result in actuators that are 30% smaller and 25% lighter than traditional designs using coil springs
- Are specifically designed for small bore control valves up to 8" Class 600
- Come with industry-leading control options, communications and system diagnostics
- Provide fail-safe or fail-last operation
- Are as simple and inexpensive to install as electric actuator systems
- Have the power, precision and compactness of high pressure hydraulic systems
- Generate zero emissions
- Are environmentally responsible via low power, solar powered and biodegradable fluid options



## Specifications

Valve Types	Choke, globe or control
Modes of Operation	Fail-last, fail-close or fail-open
Electrical Certification	ATEX EExd or CSA/UL explosion proof
Electrical Supply (VAC)	110/240V single phase 50/60 cycles or 380/440V 3 phase, 50/60 cycles
Electrical Supply (VDC)	24VDC 30 to 90W
Operating Environment	Standard temperature trim: -20 to +60°C (-4 to +140°F)
Operating Media	Mineral oil or biodegradable fluid
Manual Override	Hydraulic handpump
Command Signal	4 - 20mA EExd or Intrinsically safe loop powered
Re-Transmission Signal	4 - 20mA EExd or Intrinsically safe loop powered
Positional Accuracy	Better than $\pm 0.5\%$
Repeatability	Better than $\pm 0.5\%$
Communications	4-20mA HART, Modbus, Foundation Fieldbus or Bluetooth