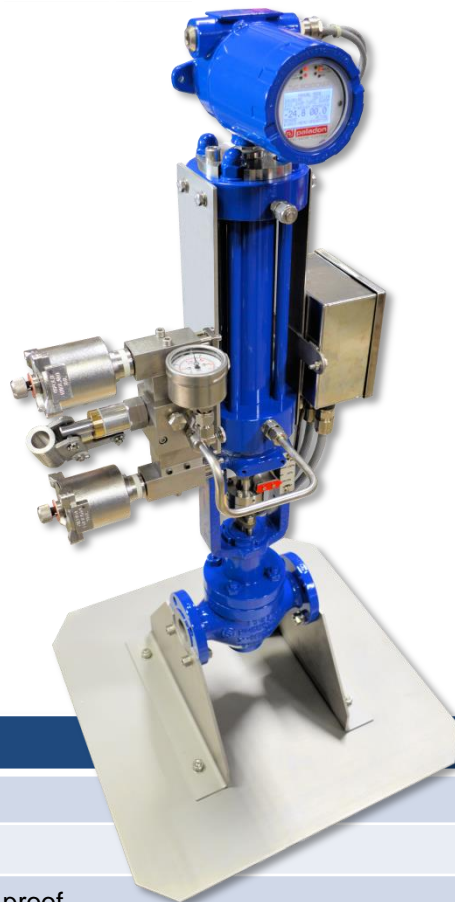


Compact Ring Main Electro-Hydraulic Positional Control Systems

Originally developed for the offshore Oil & Gas Industry, Paladon Systems Compact Electro-Hydraulic Positional Control Systems provide a rugged and reliable valve automation solution. Typically used in applications where external hydraulic power sources are available, reliable and economic, 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 |
| Hydraulic Supply | 90 to 207 Barg |
| Electrical Supply | 24VDC |
| 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 |