

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

- **The same simplicity and low cost of installation as provided by electric actuators**
- **Fail safe or fail last operation**
- **The power, precision and compact size of high pressure hydraulic systems**
- **Industry-leading control options and system diagnostics**
- **Zero emissions**
- **Environmentally responsible via low power, solar powered and biodegradable fluid options**



Specifications

Valve Types	Choke, globe or control
Modes of Operation	Stayput, fail close or fail open
Electrical Certification	ATEX EExd or CSA/UL explosion proof
Electrical Supply (VAC)	380/440V – 3 phase – 50/60 cycles 110/240V – single phase 50/60 cycles
Electrical Supply (VDC)	24VDC 100W (lower power systems available for certain applications)
Operating Environment	Standard temperature trim: -20 to +60°C (-4 to +140°F) Low temperature trim: -60 to +60°C (-76 to +140°F)
Operating Media	Mineral oil or biodegradable fluid
Manual Override	Hydraulic handpump
Command Signal	4 - 20mA
Re-Transmission Signal	4 - 20mA
Positional Accuracy	Better than ±0.5%
Repeatability	Better than ±0.5%
Communications	4-20mA HART, Modbus or Foundation Fieldbus