ELECTRO-HYDRAULIC CONTROL SYSTEMS

GENERAL DESCRIPTION

ATI Electro-Hydraulic Control Systems are completely self-contained, designed to operate hydraulic actuators and can provide a power reserve via a charged accumulator when the primary power source is lost.

- **Operating Temperature**: -40 °C to 50 °C
- **Operating Pressure**: Designed for pressures up to 5000 psi
- **Hydraulic displacement**: Actuator oil volumes up to 50 gallons
- **Interface**: Can provide hydraulic power to power quarter turn and linear actuators such as double acting, spring return retract, and spring return extend actuators
- **Electrical Power**: Any available power or solar
- **Stroke times (open to close)**: 30 seconds to 3 minutes. Times vary depending on if an accumulator is used to stroke actuator.
- **Emergency Shut Down**: Fail close or Fail open on linear spring return and double acting actuators or fail in place for double acting actuators
- **Hazardous Area**: Designed up to Class I Division 1/Zone 1 or Zone 1 with FM, UL, ATEX or IEC system approvals as needed
- **Mounting**: Power unit and controls inside a NEMA 4 enclosure. For larger EH Control Systems or Systems in a higher level of hazardous area, power unit can be skid mounted with controls inside an enclosure near power unit
• Drives linear, quarter-turn or multi-turn valve actuators
• Self-contained
• Smaller, lighter and less expensive for operating larger valves
• Can be powered by AC, DC or solar
• Can be provided in spring-return or double-acting configurations
• Can be designed up to up to Class 1 Division 1/Zone 1 or Zone 1 hazardous areas

INDUSTRY STANDARDS:
• Units designed to International Society of Automation Standard on Self Contained Electro-Hydraulics: ISA 96.06.01
• Designed for hazardous areas up to Class I Division 1/Zone 1 or Zone 1 with FM, UL, ATEX or IEC system certification approvals as needed