

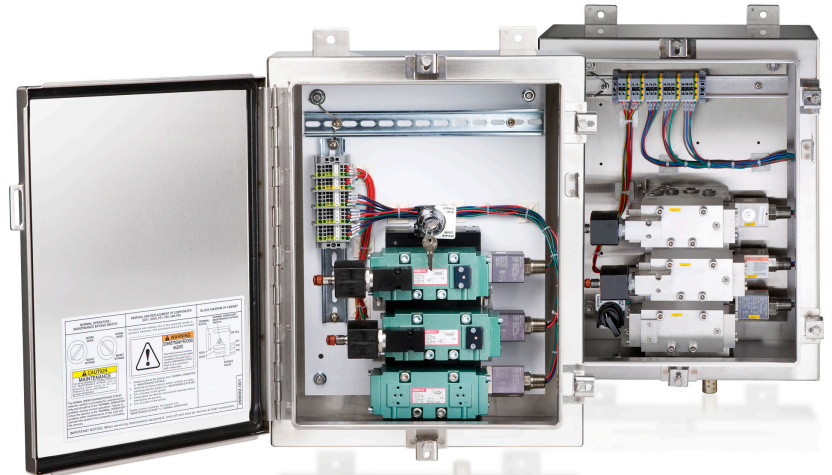


Redundant Control System (RCS)

The ASCO Redundant Control System (RCS) is a fully assembled pilot valve system that provides an economical solution to meet the need for high process reliability while maintaining required plant safety levels in a variety of process industries.

Applications

- **Emergency Shutdown Systems**
- **Burner Management Systems**
- **Isolation and Venting Systems**
- **High Integrity Pressure Protection Systems (HIPPS)**
- **Flaring Systems**



Features & Benefits

- **New Optional Stainless Steel Construction**
 - 316L Stainless Steel valves and pressure switches are suitable for use in corrosive environments
- **No Nuisance Trips**
 - Fault tolerant redundant solenoid valve architecture provides a system with no single point of failure that could result in an unplanned closure of the process valve
- **Automated On-Line Testing**
 - Solenoid valve and partial stroke tests
 - No bypassing required - full functional testing all the way through the RCS vent port
- **High Safety Availability**
 - Solenoid valve availability is enhanced through automated on-line testing and diagnostic feedback from pressure switches fit for use in SIL 3 applications
 - The RCS has been assessed per IEC 61508:2010 Parts 1-7 and meets requirements providing a level of integrity to:
 - Systematic Integrity: SIL 3 Capable/Random Integrity: Type A Element
- **Easy On-Line Maintenance**
 - Allows for quick, easy replacement of solenoid valves, coils, and pressure switches without process interruption

