Sidener’s Energy Isolation Valve functions as a two position 3-way hydraulic valve with redundant valving elements and redundant monitoring. The purpose of the valve is to, when energized, provide a flow path for a flow of hydraulic fluid from its source to the hydraulic system. When de-energized, the valve blocks flow from the hydraulic energy source and vents the hydraulic system to tank.

- The valve’s hydraulic circuitry features a series flow condition from the inlet of the valve through redundant valving elements to the discharge of the valve.
- The hydraulic circuitry also features a parallel flow condition from the discharge of the valve through either or both of the valving elements to the tank port. This configuration assures that if a valving element fails to operate as requested, inlet flow will be blocked and fluid from the outlet side of the valve is directed to tank.
- Inductive Monitoring Switches indicate the movement of the redundant valving elements. Operation of the Inductive Monitoring Switches is typically monitored by a Safety Relay or a Safety PLC supplied by others.

Contact us for Additional Assistance!
Connection Drawing

Dimensional Drawing

Simplified CREI Circuit

Flow/Performance Curve

Exotic Automation & Supply
53500 Grand River Ave
New Hudson, MI 48165
(248) 477-2122
sales@erpc.com

www.exoticautomation.com/safety