


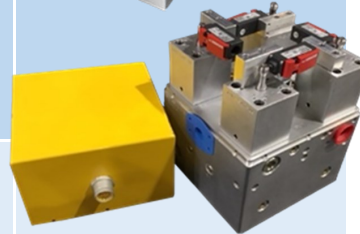




# EXOTIC






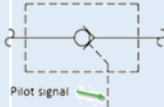
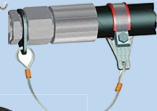


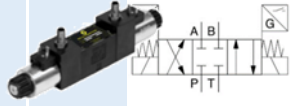

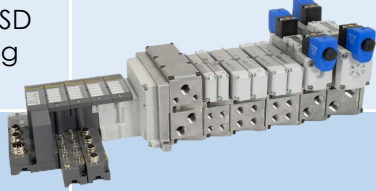
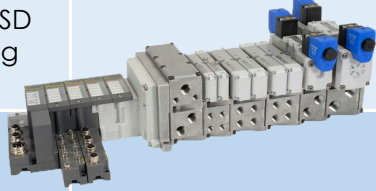
AUTOMATION & SUPPLY

## Fluid Power Safety Solution Offering

### Safety Related Products

Device	Safety Feature	Extras	
<b>Sidener CREI</b> Redundant, 3/2 NC hydraulic valve for alternative methods. 15 to 60 GPM @ 200psi	Externally monitored control-reliable energy isolation.	Single Point Lockout	
<b>Sidener CREI</b> Redundant, 3/2 NC hydraulic valve 75 to 330 GPM @ 200 psi		TUV Certified 	
<b>Sidener CRBL</b> Redundant, 2/2 NC hydraulic valve for alternative methods	Externally monitored control-reliable block flow.	TUV Certified 	
<b>Parker 33</b> Redundant, 2/3 NC pneumatic control reliable energy isolation valve, externally monitored	Designed to fail to a safe condition and inhibit further operation after a fault.	Single point lockout. Safe, partial de-energization.	
<b>Parker P33 with Soft Start</b> Gradual, safe buildup of downstream pressure			
<b>Sidener LBVV</b> 3-way hydraulic blocking, venting, locking, manual valve	Lockable only when the supply is blocked and downstream is vented to tank.	Sequencing plates ensure correct order and complete process of shutdown and startup steps.	
<b>Parker LV Series</b> 3/2 locking manual spool valve	Can only be locked in the closed position. Exhaust port is larger than inlet port.	1/4" NPT downstream port available for pressure dump verification.	
<b>Parker EV Series</b> Adjustable, soft start feature for gradual, safe buildup of downstream pressure			

# Safety Related Parts of a Control System (SRP/CS)

Device	Safety Feature	Extras	
PXP Two Hand Control	Both push buttons must shift within 0.5 sec for output signal.	Preassembled with 5/32" inlet/outlet push-in fittings.	
HA Spool Sensing	Detect spool position malfunction as a part of external monitoring control circuit.	Can be test pulsed.	
PXM Pilot Exhaust	Vent pilot pressure to all externally piloted valves in a zone.	Other internally piloted valves in the same zone and other zones can continue to operate.	
PRL, PID Rod Lock	Hold cylinder rod position when pressure is lost.	Not a dynamic brake, static lock only. Axial, not rotational direction.	
CPS (Continuous Position Sensing) via analog or IO Link	Confirm cylinder position and performance degradation.	Know part is present and part size.	
Pilot Operated Check Valves	Used to hold a vertical load when supply pressure is removed.	Free flow in both directions during normal operation. (Pneumatic & hydraulic).	
Hose Whip Restraint	Prevents whipping of a pressurized hose if the hose separates from its fitting.	For use with hose fittings or flange-style connections.	
Partek Defense Hose Sleeve	Contain hose bursts up to 12,000 psi hydraulic.	Sizes -4 to -16	
ACE Safety Shock Absorbers	Safety shocks are designed to stop infrequent, runaway loads.	Lower cost than production shock absorbers.	
Inductive Position Monitoring (IPM) control valve	Monitor spool start or end position.	Multiple 2 pos 3 pos hydraulic spool configurations.	
Prognostics & Diagnostics: P2M IO, P2H IO	Achieve redundancy monitoring CPS plus one of these: voltage, coil short circuit, group overcurrent, module over temperature, cycle counter.	Prognostics & Diagnostics prevent downtime and speeds up maintenance.	
P2M IE, P2H IO: Safe Power Capable	Powered from a safety relay or safety plc.	"Test pulse" from an OSSD "output signal switching device".	
H Series Pressure Zoning	Enables multiple pressures in the same manifold.	Color tabs indicate different zones.	

Exotic Automation & Supply provides many types of safety solutions! **From safety related parts of a control system to safety rated products, contact us today for assistance!**

## Contact Us!

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