

## Poppet Type Cartridge Valves

### Technical Features:

- Hardened precision parts
- High flow capacity and leak-free closing
- Normally open and normally closed double poppet versions available on request
- Lightline design, 250 bar with reduced solenoid power for production cost saving
- Normally open and normally closed versions
- Wide range of manual overrides available
- All ports may be fully pressurised
- Coil interchangeability among SD\*-A\* product line
- Standard version zinc-coated with surface protection according to ISO 9227 (240 h salt spray)

### Function:

- Two-way, two-position, high pressure pilot-operated poppet valve
- Screw-in cartridge design
- Used mainly for on/off bidirectional control of flow to actuators with leak-free closing in one direction



Tech Sheet  
68194

### 2/2 Directional Valves, Solenoid Operated, Piloted 3/4-16 UNF

0510			Function	£
SD3E-A2/L202	30	250	Normally Open	64.50
SD3E-A2/L2L2	30	250	Normally Closed	64.50

### Technical Features:

- Hardened precision parts
- High flow capacity and leak-free closing
- Normally open and normally closed double poppet versions available on request
- Normally open and normally closed versions
- Wide range of manual overrides available
- All ports may be fully pressurised
- Coil interchangeability among SD\*-B\* product line
- Standard version zinc-coated with surface protection according to ISO 9227 (240 h salt spray)

### Function:

- Two-way, two-position, high pressure pilot-operated poppet valve
- Screw-in cartridge design
- Used mainly for on/off bidirectional control of flow to actuators with leak-free closing in one direction



Tech Sheet  
68195

### 2/2 Directional Valves, Solenoid Operated, Piloted 7/8-14 UNF

0510			Function	£
SD3E-B2/L202	60	250	Normally Open	71.10
SD3E-B2/L2L2	60	250	Normally Closed	71.10

## Cartridge Pressure Relief Valves

### Technical Features:

- Excellent stability throughout flow range with rapid response to dynamic pressure changes
- Low hysteresis, accurate pressure control and low pressure drop through CFD optimised flow paths
- Wide pressure range up to 420 bar
- Hardened precision parts
- Sharp-edged steel seats for dirt-tolerant performance
- Leak-free closing, suitable for fast cycling with long life
- Adjustable by Allen key or hand screw
- In the standard version, the valve is zinc-coated for 240 h protection according to ISO 9227

### Function:

- Poppet-type, direct-acting hydraulic relief valve
- Screw-in cartridge design
- Intended for use as a pressure-limiting device for common hydraulic circuit protection
- The spring acts on the poppet and presses it onto the valve seat
- If the hydraulic pressure is below the preset value, the valve is closed
- If the hydraulic force exceeds the preset value, the valve opens and flow passes to the tank port until the system pressure falls below the spring preset value and the valve closes again



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68197

### Lightline Poppet Type Valves, Direct Acting, 3/4-16 UNF

0510			£
SR1A-A2/L105	30	100	35.05
SR1A-A2/L165	30	160	35.05
SR1A-A2/L255	30	250	35.05
SR1A-A2/L355	30	350	35.05

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### High Performance Poppet Type Valves, Direct Acting, 7/8-14 UNF

0510			£
SR1A-B2/H105	60	100	48.80
SR1A-B2/H165	60	160	48.80
SR1A-B2/H255	60	250	48.80
SR1A-B2/H355	60	350	48.80



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