

# Solenoid Valves

## SLP13-10-C

Solenoid Valve, 2-way, Poppet Type, Normally Closed, Pilot Operated with Reverse Free Flow

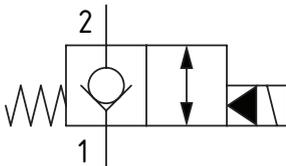
350 bar [5000 psi] • 95 l/min [25 US gpm]



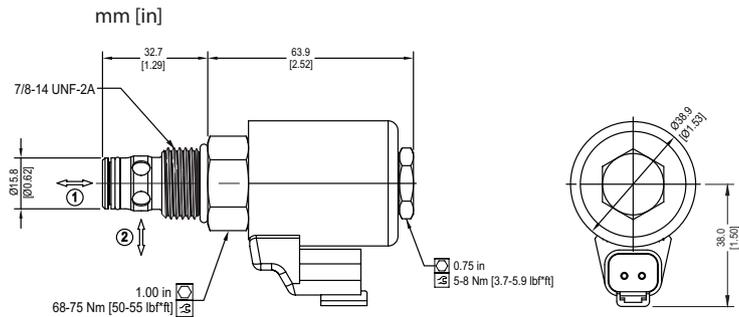
### DESCRIPTION AND OPERATION

This is a 2-way, 2-position, poppet type, normally closed solenoid valve. In its de-energized condition flow can take place from port 1 to 2, but flow is blocked from port 2 to 1 with minimum leakage due to the poppet design. When energized, flow can take place from port 2 to 1 and from 1 to 2. These valves can be used to hold loads in position or to interrupt a pressure line where flow normally passes in both directions. Due to its low power coil and low pressure drop, these valves are suitable for high ambient temperature applications, space savers in a HIC design or where reducing power consumption is important.

### SCHEMATIC



### DIMENSIONS

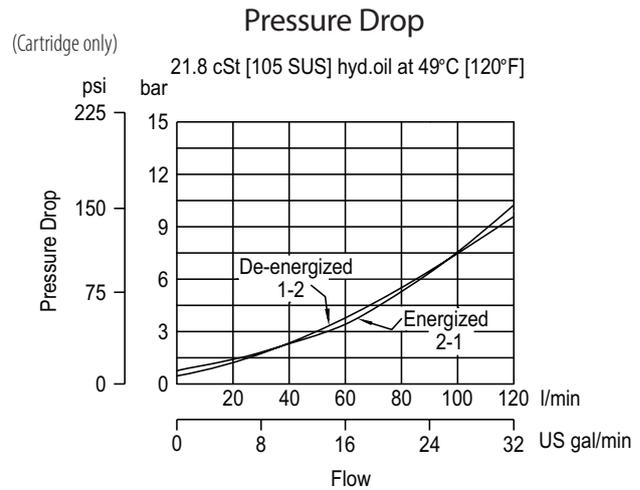


### PERFORMANCE DATA

Rated pressure*	350 bar [5000 psi]
Rated flow	95 l/min [25 US gpm]
Leakage	10 drops/min @ 350 bar [5000 psi]
Coil Options	K series, 10 W
Weight	0.16 kg [0.35 lb]
Cavity	SDC10-2

\*Note: Rated pressure based on NFPA fatigue test standard [at 1 million cycles]

### PERFORMANCE CURVES



### MODEL CODE

SLP13 - 10 - V - C - S - 2G - 12D - N - K

#### Seal Option

Code	Seal Kit
Omit	Buna-N 565803
V	Viton 566086

#### Housing Material

Omit - No housing  
A - Aluminum  
S - Steel

#### Housing

Code	Ports	Aluminum Standard Duty	Aluminum Heavy Duty	Steel Heavy Duty
0	No Housing			
3B	3/8" BSP	02-175462		
2G	1/4" BSP		876702	02-175102
3G	3/8" BSP		876703	02-175103
6H	#6 SAE		876700	
8H	#8 SAE		876701	
6T	#6 SAE	566151		02-175100
8T	#8 SAE			02-175101

\* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].

\* Additional housings available

#### Coil Series

Omit - No coil  
K - K Series, 10W

#### Connector Type

Omit - No coil  
N - Deutsch

\* Additional connectors available. Contact technical support.

#### Coil Voltage

00 - No Coil  
12D - 12 VDC  
24D - 24 VDC