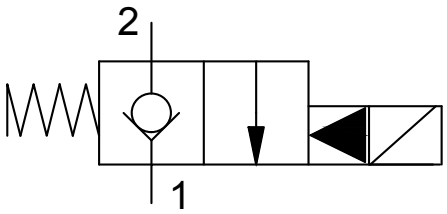
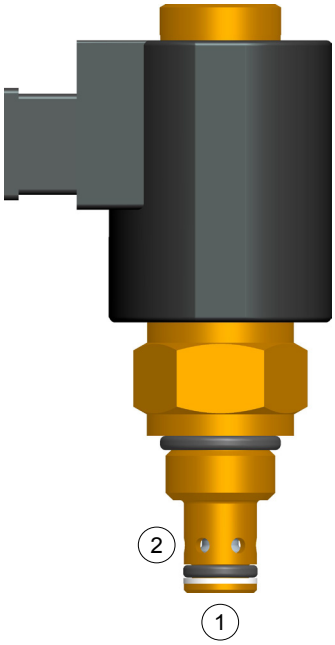
SINGH HYDRAULICS

SOPV-C3

Solenoid valve
Pilot operated,Poppet Type
(2/2)



- **$Q_{(max)}$=40 lpm , $P_{(max)}$=350 bar**
- **Screw -in Cartridge,**
- **Poppet Type, Solenoid Valve**

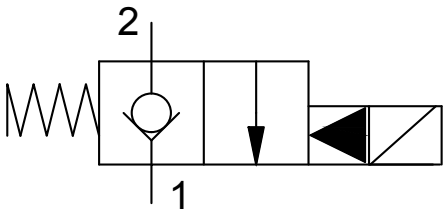


- When coil is de-energized no flow occurs from port 2 to 1 while free flow occurs from ports 1 to 2.
- When coil is energized flow occurs from port 2 to 1, while it restricts flow from ports 1 to 2.
- Hardened poppet & sleeve provides longer life.
- Can be fitted in line mounting bodies
- Very low heat rise & waterproof solenoid coil.
- All external parts are **zinc plated ,chromated (CrVI-Free).**
- Designed in accordance to **Industry common cavities**

1. Description

This Cartridge is a Normally Closed **2 position poppet type, Solenoid operated** directional valve.When coil is de-energized no flow occurs from port 2 to 1 while free flow occurs from port 1 to 2. When coil is energized flow occurs from port 2 to 1 while restricting flow from port 1 to 2. Hardened poppet & waterproof solenoid provides reliable and long life.

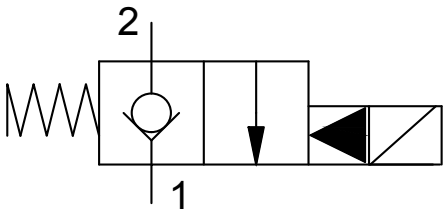
All external parts of this cartridge are Zinc-plated and chromated (CrVI-free). All Valve parts are made up of high strength steel.
All Cartridge valve are 100% tested.
This Cartridge valve is designed in accordances to industry common cavities.

Solenoid valve Pilot operated,Poppet Type (2/2)	

2. Technical Data :

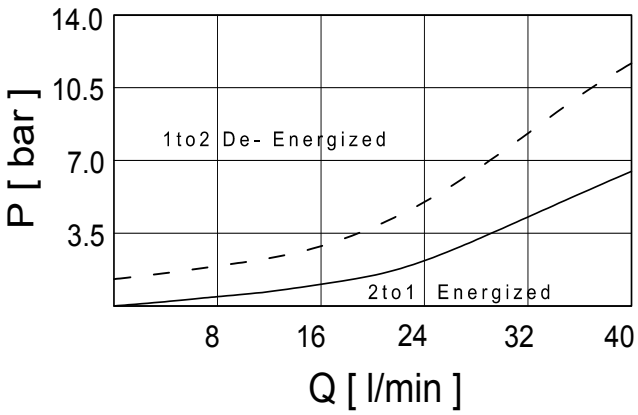
S.no.	General Specification	Values
1.	Designation	2 WAY, 2 POSITION SOLENOID VALVE
2.	Mounting Method	S08-2 cavity
3.	Maximum operating Pressure	350 bar
4.	Maximum Flow	40 lpm
6.	Operating Temperature	-30° to +110° C
7.	Hydraulic Fluid	Mineral oils with lubricating properties at 15.....250 mm^2/sec
8.	Minimum Fluid Cleaniness	ISO Class 20/18/15
9.	Weight	0.37 kg
10.	Installation torque	45-55 n/m
11.	solenoid coil detail	DC = 26watt Ac = 28-VA
12.	insulation class	CLASS-H

Solenoid valve
Pilot operated,Poppet Type
(2/2)

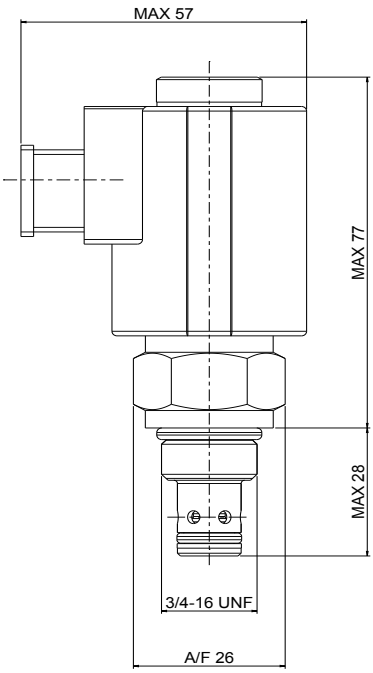


3. P-Q Characteristics :

Note: The Performance Chart shows Flow handling capacity at specific pressure setting P/Q Curve is recorded at $Temp_{oil}$ = 40° C at 46 cst.



4. Dimensioning :



5. Ordering Code :

SOPV - 08 - C3 - X - X - XXX

VALVE BASIC CODE

CAVITY TYPE = 3/4″-16 UNF
METRIC CAVITY AVAILABLE ON REQUEST

TYPE :
C3 = Normally Closed Poppet
2 Way , 2 Position

HOUSING & PORTS
C : Cartridge only
XB1 : 1/4″ BSP
XB6 : SAE #6

A : Aluminium Housing
S : Steel Housing

Terminals
D : Din-Type

VOLTAGE
012 : 12 VDC
024 : 24 VDC
230 : 230 AC

SUBJECT TO CHANGE WITHOUT NOTICE