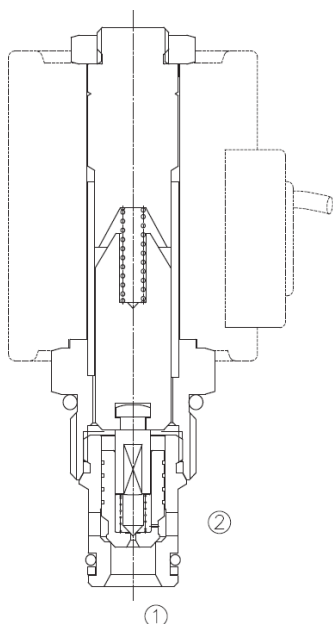


## Overview



### Description

A solenoid operated, 2 way, 2-position, normally closed, poppet-type cartridge valve.

### Operation

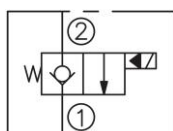
When de-energized, the valve acts as a check valve, allowing flow from (1) to (2), while blocking flow from (2) to (1).

When energized, the poppet lifts to open the (2) to (1) flow path.

### Operation of Manual Override Option

To override, push button in, twist counter clockwise 180° and release. In this position, the valve will remain open in a detented condition. To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.

### Symbol



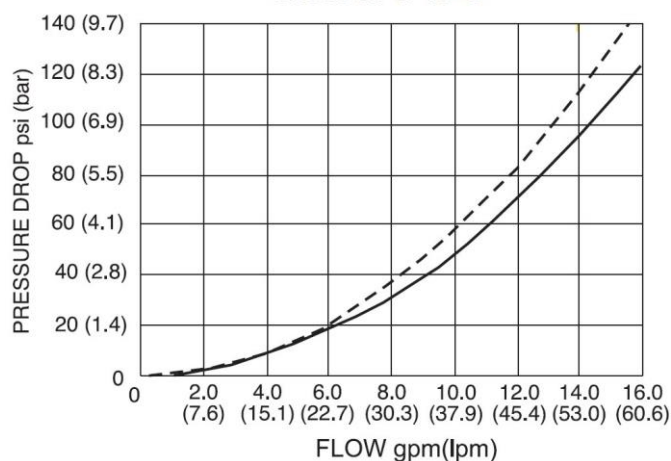
## Rating

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Operating Pressure | : 207 Bar                                                                          |
| Flow Setting       | : See Pressure Drop vs. Flow graph                                                 |
| Internal Leakage   | : 3 drops/min. max. at 207 bar                                                     |
| Temperature        | : -40° F to +212° F (-40° C to +100° C)                                            |
| Coil Duty Rating   | : Continuous from 85% to 115% of nominal voltage                                   |
| Fluids             | : Mineral Based Fluids with viscosities of 7.4 to 420 cSt                          |
| Cavity             | : C-10-2, Refer next page                                                          |
| Body Material      | : 6061 – T6 aluminium alloy rated to 207 bar, steel & Ductile iron rated to 350bar |

## Performance

### PRESSURE DROP VS FLOW

② to ① — (Energized)  
① to ② -- (De-energized)  
32cSt oil @ 40°C



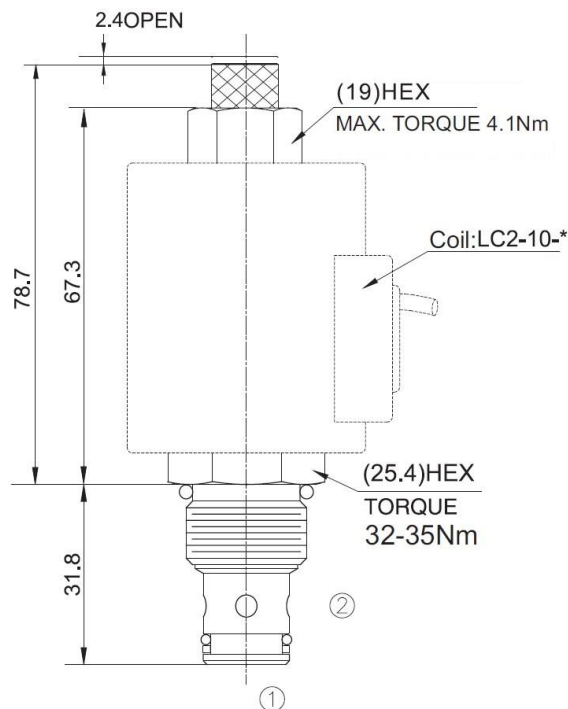
## Model Code

|                                                                                                                                                                   |   |           |   |           |                 |          |   |                                     |   |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------|---|-----------|-----------------|----------|---|-------------------------------------|---|---|---|---|
| <b>SV</b>                                                                                                                                                         | - | <b>10</b> | - | <b>2</b>  | <b>NC</b>       | <b>P</b> | - | -                                   | - | - | - | - |
| Solenoid Valve                                                                                                                                                    |   | Size      |   | Flow Path | Normally Closed | Poppet   |   | Blank = None<br>M = Manual Override |   |   |   |   |
| <b>Coil Connection</b><br>D = Double Lead<br>S = Single Lead<br>H = Hirschmann<br>C = Conduit<br>ER = Deutsch Connector<br>(Water Proof Coil)<br>B = Double Spade |   |           |   |           |                 |          |   |                                     |   |   |   |   |
| <b>Voltage</b><br>1 = 12 VDC<br>2 = 24 VDC<br>3 = 110 VAC<br>4 = 220 VAC<br>5 = 10 VDC                                                                            |   |           |   |           |                 |          |   |                                     |   |   |   |   |
| <b>Body Porting</b><br>Blank = None<br>6T = SAE6<br>8T = SAE8<br>3G = G 3/8<br>4G = G 1/2<br>Other Porting is available                                           |   |           |   |           |                 |          |   |                                     |   |   |   |   |

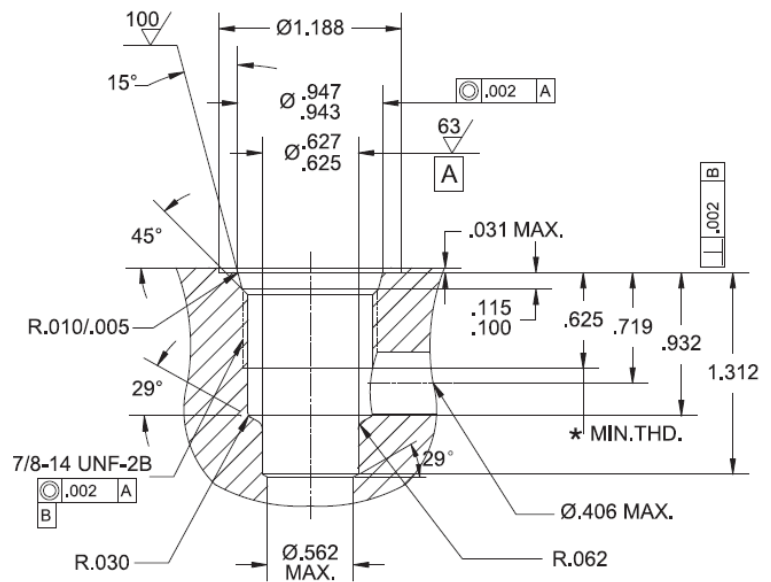
## Installation Specifications

Unit = Millimeters

Coil must be installed with Letter Up



Unit = Inch



CAVITY:10-2

Note : Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.