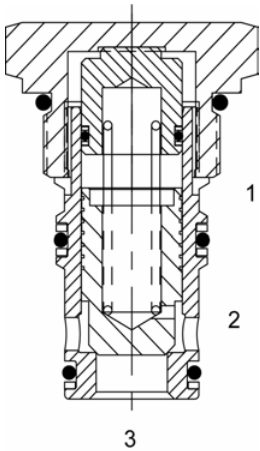


**SL-CPD** PILOT TO CLOSE CHECK VALVE, POPPET



**DESCRIPTION**

16 size, 1 5/16-12 thread, "Super" series, pilot to close, poppet check valve.

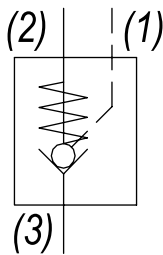
**OPERATION**

The SL-CPD allows free flow from (3) to (2), and blocks flow from (2) to (3). Flow will be blocked from (3) to (2) when sufficient pressure is applied at (1). The cartridge has a 2:1 pilot ratio, meaning that at least one half of the load pressure held at (3) is required at (1) to close the valve. The check is spring biased to assure holding in static or no-load conditions.

**FEATURES**

- Hardened seat for long life.
- Industry common cavity.

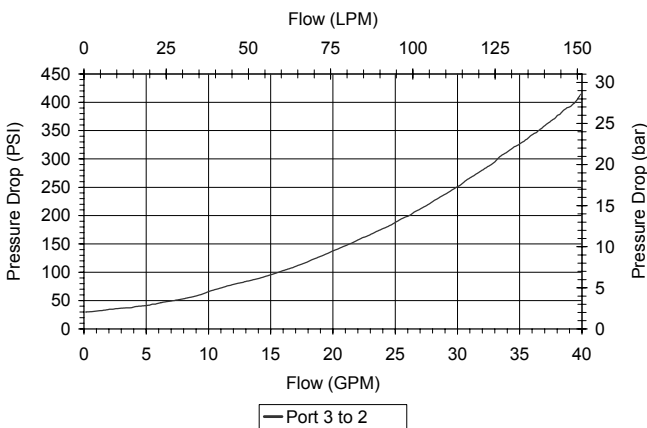
**HYDRAULIC SYMBOL**



*Special higher bias spring values available. Consult factory.*

**PERFORMANCE**

Actual Test Data (Cartridge Only)



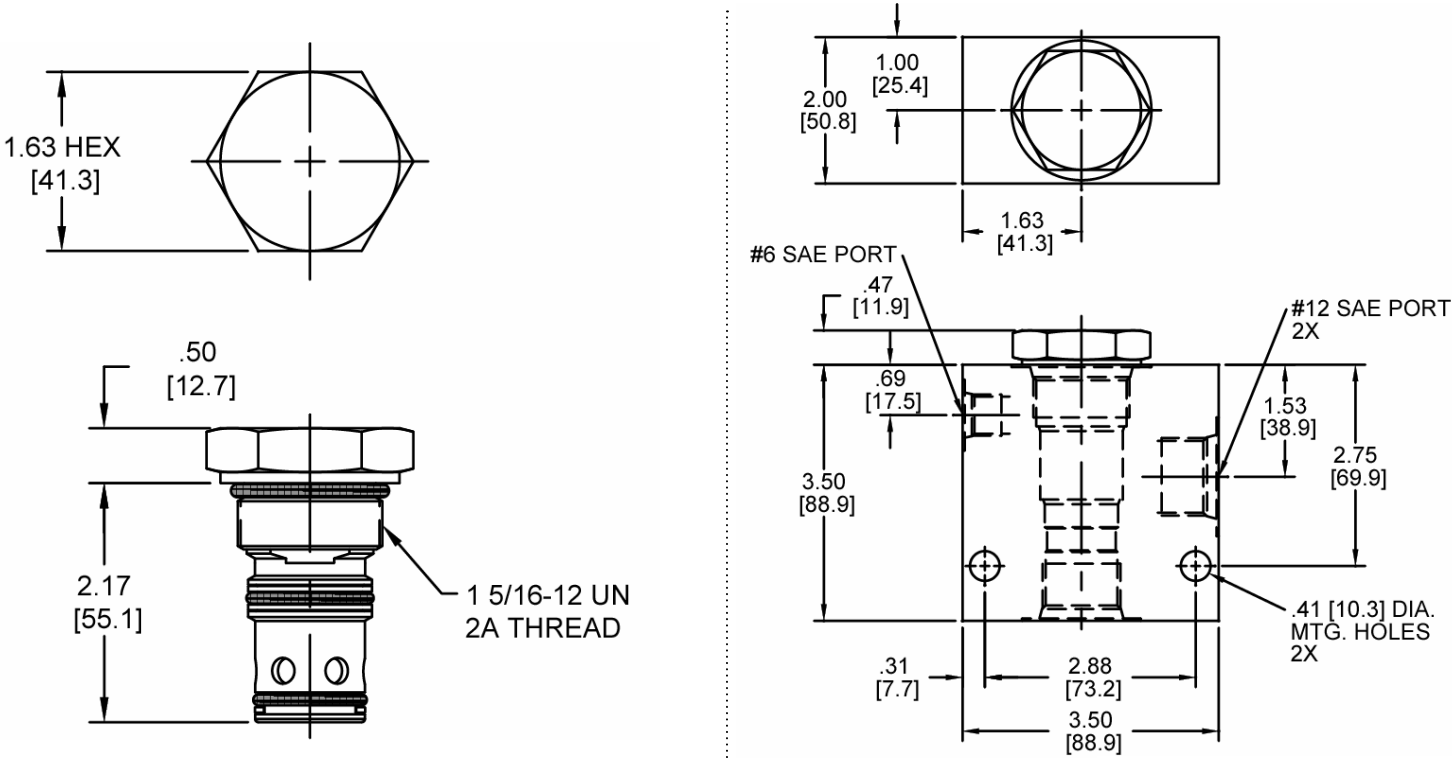
**VALVE SPECIFICATIONS**

|                                    |                                 |
|------------------------------------|---------------------------------|
| Nominal Flow                       | 20 GPM (76 LPM)                 |
| Rated Operating Pressure           | 3500 PSI (241 bar)              |
| Typical Internal Leakage (150 SSU) | 5 drops/min                     |
| Pilot Ratio                        | 2:1                             |
| Viscosity Range                    | 36 to 3000 SSU (3 to 647 cSt)   |
| Filtration                         | ISO 18/16/13                    |
| Media Operating Temp. Range        | -40° to 250°F (-40° to 120°C)   |
| Weight                             | .68 lbs (.31 kg)                |
| Operating Fluid Media              | General Purpose Hydraulic Fluid |
| Cartridge Torque Requirements      | 90 ft-lbs (122 Nm)              |
| Cavity                             | SUPER 3WS                       |
| Cavity Form Tool (Finishing)       | 40500021                        |
| Seal Kit                           | 21191404                        |

**WARNING:** the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

Via Malavolti, 36 - 41122 Modena - ITALY - Phone +39 (059) 254895 - Fax +39 (059) 253512 - mail: [tecnord@tecnord.com](mailto:tecnord@tecnord.com) - [www.tecnord.com](http://www.tecnord.com)

DIMENSIONS



Body Weight: 1.89 lbs (.86 kg)

ORDERING INFORMATION

|        |                            |   |                       |                           |
|--------|----------------------------|---|-----------------------|---------------------------|
| SL-CPD | -                          | - | -                     | -                         |
|        |                            |   |                       |                           |
|        | <b>OPTIONS</b>             |   |                       | <b>BODIES</b>             |
|        | Buna, 2:1 Ratio <b>02</b>  |   |                       | <b>Blank</b> Without Body |
|        | Viton, 2:1 Ratio <b>V2</b> |   |                       | <b>S</b> #12 SAE Ports    |
|        |                            |   |                       |                           |
|        |                            |   | <b>CRACK PRESSURE</b> |                           |
|        |                            |   | <b>0015</b> 15 PSI    |                           |
|        |                            |   | <b>0025</b> 25 PSI    |                           |
|        |                            |   | <b>0050</b> 50 PSI    |                           |
|        |                            |   | <b>0075</b> 75 PSI    |                           |
|        |                            |   | <b>0100</b> 100 PSI   |                           |
|        |                            |   | ± 10%                 |                           |

W.50/2022

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