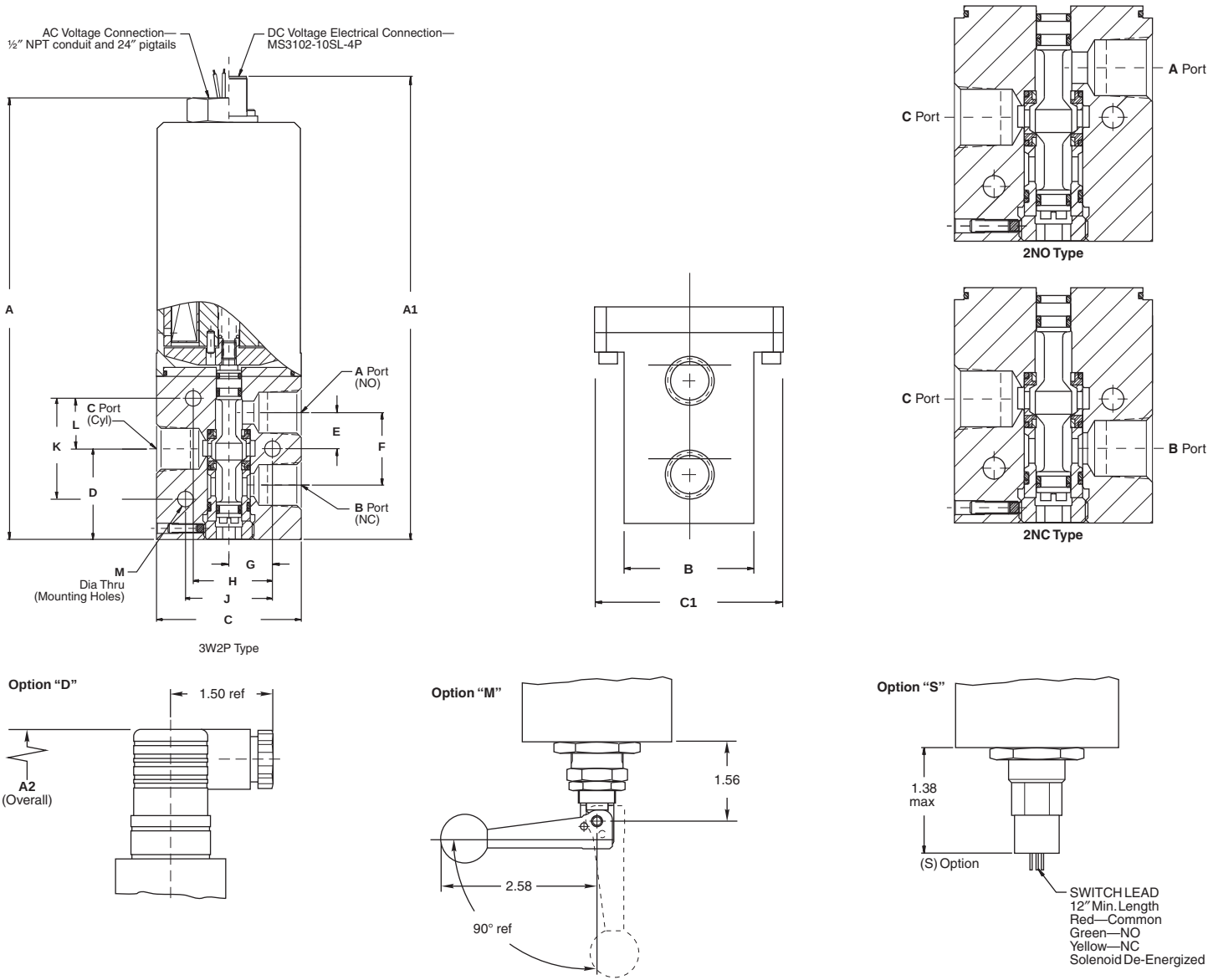


# SV Series

## Dimensions (Inches): SV10–SV30 Series

| VALVE SIZE | A    | A1   | A2                                         | B    | C             | C1   | D    | E    | F    | G    | H    | J    | K    | L    | M                  |
|------------|------|------|--------------------------------------------|------|---------------|------|------|------|------|------|------|------|------|------|--------------------|
| SV10–17    | 5.24 | 5.79 | 6.75                                       | 1.00 | 1.62          | 1.62 | 1.07 | 0.45 | 0.90 | 0.62 | 0.94 | —    | —    | 0.45 | 0.173<br>(2 holes) |
| SV20–27    | 5.97 | 6.52 | 7.46                                       | 1.00 | 2.00          | 2.00 | 1.04 | 0.46 | 0.95 | 0.46 | 0.92 | 0.92 | 0.95 | 0.46 | 0.218<br>(3 holes) |
| SV30–37    | 6.95 | 7.50 | 8.45<br>(DC Valves)<br>8.80<br>(AC Valves) | 1.31 | ¼" & ⅜" ports |      | 1.70 | 0.62 | 1.26 | 0.75 | 1.22 | 1.38 | 1.25 | 0.60 | 0.280<br>(3 holes) |
|            |      |      |                                            |      | ½" ports      |      |      |      |      |      |      |      |      |      |                    |
|            |      |      |                                            |      | 2.00          | 2.00 |      |      |      |      |      |      |      |      |                    |
|            |      |      |                                            |      | 2.25          | 2.00 |      |      |      |      |      |      |      |      |                    |



## Basic Specifications: SV10–SV30 Series

|                                  |                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROOF PRESSURE</b>            | SV10 & SV30 Series: 6000 psig<br>SV20 Series: 12,000 psig                                                                                                                   |
| <b>TEMPERATURE RANGE</b>         | –65° F to +165° F (–54° C to +74° C)                                                                                                                                        |
| <b>LEAKAGE INTERNAL/EXTERNAL</b> | Bubble-tight                                                                                                                                                                |
| <b>FLUID MEDIA</b>               | Gases: air, nitrogen, oxygen, helium (stainless steel only)<br>Liquids: lubricants, water, hydraulic fluids, hydrocarbon fuels                                              |
| <b>FLOW CAPACITY</b>             | SV10 & SV20 Series: Cv = 0.096 (Equivalent Sharp Edge Orifice Diameter (ESEOD) = 0.074")<br>SV30 Series: Cv = 0.46 (Equivalent Sharp Edge Orifice Diameter (ESEOD) = 0.16") |
| <b>TRIM</b>                      | 300 series stainless steel                                                                                                                                                  |
| <b>DUTY</b>                      | Continuous                                                                                                                                                                  |
| <b>WEIGHT (APPROXIMATELY)</b>    | Aluminum: SV10 = 1.5 lbs; SV20 = 2.3 lbs; SV30 = 2.6 lbs<br>Stainless steel: SV10 = 2.0 lbs; SV20 = 3.0 lbs; SV30 = 3.8 lbs                                                 |