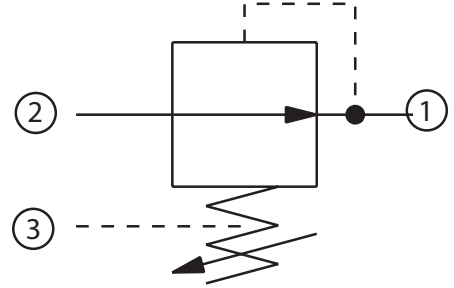


**OPERATION**

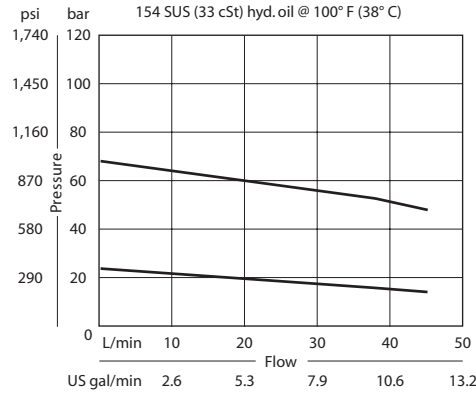
This is a direct-acting pressure-reducing (non-relieving) valve.

Schematic



**SPECIFICATIONS**

Theoretical performance



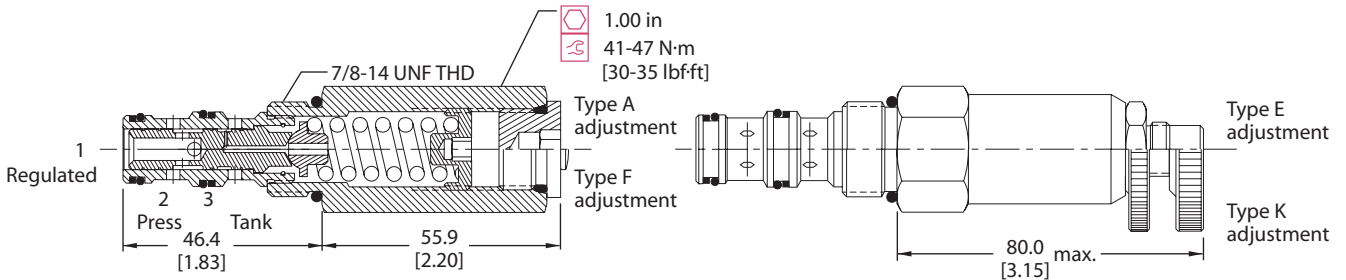
Specifications

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Rated pressure</b>                | 210 bar [3000 psi]       |
| <b>Rated flow at 7 bar [100 psi]</b> | 40 l/min [10 US gal/min] |
| <b>Weight</b>                        | 0.25 kg [0.56 lb]        |
| <b>Cavity</b>                        | SDC10-3                  |

**DIMENSIONS**

mm [in]

Cross-sectional view



**ORDERING INFORMATION**

**CP230 - 2 - B - 6S - A - C - 100**

|                                                                                                                                                          |                                     |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------|--------------|----|-------|-----|------|----------|--------------|----|-------|-----|------|------------|--------------|----|--------|-----|--------|------------|--------------|-----|--------|
| <b>Seals</b><br>B = Buna-N<br>V = Viton                                                                                                                  | <b>Seal kit</b><br>120027<br>120028 | <b>Housing P/N</b><br>No Housing<br>SDC10-3-SE-3B<br>SDC10-3-SE-4B<br>CP10-3-6S<br>CP10-3-8S | <b>Crack pressure</b><br>Code x 10 = psi<br>Example: 100 = 1000 psi                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| <b>Housing and ports</b><br>0 = No Housing<br>SE3B = AI, 3/8 BSP<br>SE4B = AI, 1/2 BSP<br>6S = AI, #6 SAE<br>8S = AI, #8 SAE<br>Other housings available |                                     |                                                                                              | <b>Pressure range</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| <b>Adjustment option</b><br>A = Internal<br>E = External<br>F = Tamper resistant<br>K = Knob                                                             |                                     |                                                                                              | <table border="0"> <tr> <td>A =</td> <td>4-28</td> <td>[psi]</td> </tr> <tr> <td>Std. setting</td> <td>17</td> <td>[250]</td> </tr> <tr> <td>B =</td> <td>5-55</td> <td>[75-800]</td> </tr> <tr> <td>Std. setting</td> <td>28</td> <td>[400]</td> </tr> <tr> <td>C =</td> <td>7-97</td> <td>[100-1400]</td> </tr> <tr> <td>Std. setting</td> <td>69</td> <td>[1000]</td> </tr> <tr> <td>D =</td> <td>34-166</td> <td>[500-2400]</td> </tr> <tr> <td>Std. setting</td> <td>103</td> <td>[1500]</td> </tr> </table> | A = | 4-28 | [psi] | Std. setting | 17 | [250] | B = | 5-55 | [75-800] | Std. setting | 28 | [400] | C = | 7-97 | [100-1400] | Std. setting | 69 | [1000] | D = | 34-166 | [500-2400] | Std. setting | 103 | [1500] |
| A =                                                                                                                                                      | 4-28                                | [psi]                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| Std. setting                                                                                                                                             | 17                                  | [250]                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| B =                                                                                                                                                      | 5-55                                | [75-800]                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| Std. setting                                                                                                                                             | 28                                  | [400]                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| C =                                                                                                                                                      | 7-97                                | [100-1400]                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| Std. setting                                                                                                                                             | 69                                  | [1000]                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| D =                                                                                                                                                      | 34-166                              | [500-2400]                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |
| Std. setting                                                                                                                                             | 103                                 | [1500]                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |              |    |       |     |      |          |              |    |       |     |      |            |              |    |        |     |        |            |              |     |        |

PR - Pressure Reducing Valves  
CP230-2