## Pressure Reducing, Non-Relieving

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cavity</th>
<th>Description</th>
<th>Flow*</th>
<th>Pressure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP230-2</td>
<td>SDC10-3</td>
<td>Pressure Reducing, Non-Relieving, Direct Acting</td>
<td>40 l/min</td>
<td>210 bar</td>
<td>05.4</td>
</tr>
<tr>
<td>PRC 06</td>
<td>NCS06/3</td>
<td></td>
<td>40 l/min</td>
<td>315 bar</td>
<td>05.5</td>
</tr>
</tbody>
</table>

* Flow ratings are based on a pressure drop of 7 bar [100 psi] unless otherwise noted. They are for comparison purposes only.

## Symbol

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cavity</th>
<th>Description</th>
<th>Flow*</th>
<th>Pressure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP230-1</td>
<td>SDC10-3</td>
<td>Pressure Reducing, Relieving, Direct Acting</td>
<td>40 l/min</td>
<td>210 bar</td>
<td>05.6</td>
</tr>
</tbody>
</table>

## Pressure Reducing, Relieving

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cavity</th>
<th>Description</th>
<th>Flow*</th>
<th>Pressure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRR10-PVG</td>
<td>SDC10-3</td>
<td>Pressure Reducing, Relieving, Direct Acting</td>
<td>40 l/min</td>
<td>210 bar</td>
<td>05.7</td>
</tr>
<tr>
<td>PRRC 06</td>
<td>NCS06/3</td>
<td>Pressure Reducing, Relieving, Designed for PVG Actuators</td>
<td>40 l/min</td>
<td>315 bar</td>
<td>05.9</td>
</tr>
</tbody>
</table>

## Pressure Reducing, Non-Relieving

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cavity</th>
<th>Description</th>
<th>Flow*</th>
<th>Pressure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP230-4</td>
<td>SDC10-3</td>
<td>Pressure Reducing, Non-Relieving, Pilot Operated</td>
<td>40 l/min</td>
<td>350 bar</td>
<td>05.8</td>
</tr>
<tr>
<td>PPRC 06</td>
<td>NCS06/3</td>
<td></td>
<td>40 l/min</td>
<td>315 bar</td>
<td>05.9</td>
</tr>
</tbody>
</table>

## Pressure Reducing, Relieving

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cavity</th>
<th>Description</th>
<th>Flow*</th>
<th>Pressure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRMP 064</td>
<td>SDC10-3</td>
<td>Pressure Reducing, Relieving, Pilot Operated</td>
<td>40 l/min</td>
<td>315 bar</td>
<td>05.10</td>
</tr>
<tr>
<td>CP231-3</td>
<td>CP12-35</td>
<td></td>
<td>115 l/min</td>
<td>350 bar</td>
<td>05.11</td>
</tr>
</tbody>
</table>

## Pressure Reducing, Relieving

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cavity</th>
<th>Description</th>
<th>Flow*</th>
<th>Pressure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRR10-DRD</td>
<td>SDC10-4</td>
<td>Pressure Reducing, Relieving, Direct Acting with Dampening Port</td>
<td>38 l/min</td>
<td>207 bar</td>
<td>05.12</td>
</tr>
</tbody>
</table>
Pressure reducing valves are pressure limiting devices that limit pressure in one portion of a circuit while leaving system pressure unaffected. They are available in direct-acting and pilot-operated types and as pressure reducing/relieving valves or as pressure reducing valves only.

Direct-acting pressure reducing/relieving valves allow flow to pass from 2 to 1 until the pressure at 1 reaches the predetermined setting, at which point the spool shifts to restrict input flow from 2 (reducing mode) or to open flow from 1 to 3 (relieving mode) as needed to maintain the regulated pressure at 1.

Advantages of direct-acting pressure reducing valves are:

- Fast response
- Economical

A typical application for direct-acting pressure reducing valves is for pressure control in systems requiring two or more different pressure settings. These valves are best suited for low flow applications such as hydraulic brake or motor shift.
Pilot-operated pressure reducing/relieving valves operate similarly to direct-acting pressure reducing/relieving valves -- the spool allows flow to pass from 2 to 1 until the pressure at 1 reaches the predetermined setting and forces the pilot poppet off its seat. This creates a pressure differential across the spool that causes the spool to shift and maintain regulated pressure at 1 in the same manner as the direct-acting pressure reducing/relieving valve.

Advantages of pilot-operated relief valves are:

- Smooth, stable response
- High pressure capability
- Precise pressure control with varying flow rates

A typical application for pilot-operated pressure reducing valves is for pressure control in systems requiring two or more different pressure settings where high pressure capability and/or extremely precise pressure control is required.
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Non-Relieving
CP230-2

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

SPECIFICATIONS
Theoretical performance

<table>
<thead>
<tr>
<th>psi/bar</th>
<th>0</th>
<th>20</th>
<th>40</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>L/min</td>
<td>2.6</td>
<td>5.3</td>
<td>7.9</td>
<td>10.6</td>
<td>13.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow</td>
<td>7.9</td>
<td>10.6</td>
<td>13.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US gal/min</td>
<td>2.6</td>
<td>5.3</td>
<td>7.9</td>
<td>10.6</td>
<td>13.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

DIMENSIONS
mm [in]

ORDERING INFORMATION
Seals
B = Buna-N
V = Viton

Housing and ports
0 = No Housing
SE38 = AL 3/8 BSP
SE48 = AL 1/2 BSP
65 = AL 46 SAE
85 = AL 66 SAE

Other housings available

Adjustment option
A = Internal
E = External
F = Tamper resistant
K = Knob

Crack pressure
Code x 10 = psi
Example: 100 = 1000 psi

Pressure range
A = 4.28 [50-200]
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]

Seal kit 120027 120028
Housing P/N SDC10-3-SE-38 SDC10-3-SE-48 CP10-3-65 CP10-3-85

Example: CP230-2-B-6S-A-C-100

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

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

Seals
B = Buna-N
V = Viton

Housing and ports
0 = No Housing
SE38 = AL 3/8 BSP
SE48 = AL 1/2 BSP
65 = AL 46 SAE
85 = AL 66 SAE

Other housings available

Adjustment option
A = Internal
E = External
F = Tamper resistant
K = Knob

Crack pressure
Code x 10 = psi
Example: 100 = 1000 psi

Pressure range
A = 4.28 [50-200]
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]

Seal kit 120027 120028
Housing P/N SDC10-3-SE-38 SDC10-3-SE-48 CP10-3-65 CP10-3-85

Example: CP230-2-B-6S-A-C-100

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

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

Seals
B = Buna-N
V = Viton

Housing and ports
0 = No Housing
SE38 = AL 3/8 BSP
SE48 = AL 1/2 BSP
65 = AL 46 SAE
85 = AL 66 SAE

Other housings available

Adjustment option
A = Internal
E = External
F = Tamper resistant
K = Knob

Crack pressure
Code x 10 = psi
Example: 100 = 1000 psi

Pressure range
A = 4.28 [50-200]
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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]

Seal kit 120027 120028
Housing P/N SDC10-3-SE-38 SDC10-3-SE-48 CP10-3-65 CP10-3-85

Example: CP230-2-B-6S-A-C-100

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

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

Seals
B = Buna-N
V = Viton

Housing and ports
0 = No Housing
SE38 = AL 3/8 BSP
SE48 = AL 1/2 BSP
65 = AL 46 SAE
85 = AL 66 SAE

Other housings available

Adjustment option
A = Internal
E = External
F = Tamper resistant
K = Knob

Crack pressure
Code x 10 = psi
Example: 100 = 1000 psi

Pressure range
A = 4.28 [50-200]
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]

Seal kit 120027 120028
Housing P/N SDC10-3-SE-38 SDC10-3-SE-48 CP10-3-65 CP10-3-85

Example: CP230-2-B-6S-A-C-100
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Non-Relieving
PRC 06

OPERATION

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

SPECIFICATIONS

Theoretical performance

<table>
<thead>
<tr>
<th>Reduced pressure</th>
<th>psi</th>
<th>bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>420</td>
<td>600</td>
</tr>
<tr>
<td>45</td>
<td>320</td>
<td>480</td>
</tr>
<tr>
<td>30</td>
<td>210</td>
<td>300</td>
</tr>
<tr>
<td>15</td>
<td>100</td>
<td>150</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

Type of adjustment

<table>
<thead>
<tr>
<th>E = Internal screw</th>
<th>EN = External screw</th>
</tr>
</thead>
</table>

Setting range

| .5 = 1-10 bar [14.5-145 psi] |
| 1 = 10 - 25 bar [145-363 psi] |
| 2 = 25-80 bar [363-1160 psi] |

Seals

V = Viton
B = Buna-N

Housing and ports

| 00 = No Housing |
| SE3/8 = AL, 3/8 BSP |
| SE1/2 = AL, 1/2 BSP |
| SE6S = AL, #6 SAE |

Other housings available

To order this valve with a specific factory setting, contact your Sauer-Danfoss representative.
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Relieving
CP230-1

OPERATION
This is a direct-acting pressure reducing/relieving valve.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>290</td>
<td>20</td>
</tr>
</tbody>
</table>

Theoretical performance

<table>
<thead>
<tr>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>0.7</td>
</tr>
<tr>
<td>20</td>
<td>1.4</td>
</tr>
<tr>
<td>40</td>
<td>2.8</td>
</tr>
<tr>
<td>50</td>
<td>3.5</td>
</tr>
<tr>
<td>60</td>
<td>4.4</td>
</tr>
<tr>
<td>70</td>
<td>5.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>5.6</td>
</tr>
<tr>
<td>140</td>
<td>9.7</td>
</tr>
<tr>
<td>200</td>
<td>14</td>
</tr>
<tr>
<td>290</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>21</td>
</tr>
<tr>
<td>400</td>
<td>28</td>
</tr>
<tr>
<td>500</td>
<td>35</td>
</tr>
<tr>
<td>600</td>
<td>42</td>
</tr>
<tr>
<td>700</td>
<td>49</td>
</tr>
<tr>
<td>800</td>
<td>56</td>
</tr>
<tr>
<td>900</td>
<td>63</td>
</tr>
<tr>
<td>1000</td>
<td>70</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100</td>
<td>77</td>
</tr>
<tr>
<td>1200</td>
<td>84</td>
</tr>
<tr>
<td>1300</td>
<td>91</td>
</tr>
<tr>
<td>1400</td>
<td>98</td>
</tr>
<tr>
<td>1500</td>
<td>105</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>142</td>
</tr>
<tr>
<td>2100</td>
<td>148</td>
</tr>
<tr>
<td>2200</td>
<td>155</td>
</tr>
<tr>
<td>2300</td>
<td>161</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

Seals
- B = Buna-N
- V = Viton

Seal kit
- 120570
- 120571

Housing and ports
- D = No Housing
- SE3B = AL3/8 BSP
- SE4B = AL1/8 BSP
- 6S = AL6 SAE
- 8S = AL8 SAE

Other housings available

Adjustment option
- A = Internal
- E = External
- F = Tamper resistant
- K = Knob

Housing P/N
- No Housing

Pressure setting
- Code x 10 psi (0.69 bar)
- Example: 100 = 1000 psi (70 bar)

Pressure range
- A = 2.4-28 [0.16-1.9] [50-400]
- B = 5-55 [0.33-3.6] [75-400]
- C = 7-97 [0.47-6.6] [100-1400]
- D = 34-166 [2.33-11.0] [500-2400]

CP230-1

Pressures reducing, relieving

Dimensions

Cross-sectional view

P102 135E

P102 136E

P102 137E

P102 138E

P102 139E
OPERATION

This is a direct-acting pressure reducing/relieving valve, designed for PVG actuators.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. pressure in port 2</td>
<td>210 bar [3000 psi]</td>
</tr>
<tr>
<td>Maximum flow</td>
<td>5 l/min [1.3 US gal/min]</td>
</tr>
<tr>
<td>Cartridge Weight</td>
<td>0.23 kg [0.51 lb]</td>
</tr>
<tr>
<td>Cavity</td>
<td>SDC10-3</td>
</tr>
</tbody>
</table>

DIMENSIONS

Cross-sectional view

![Cross-sectional view diagram]

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
</table>
| PRR10-PVG-E13-B-F-00 | Body and ports: 00 = Cartridge only, 65 = Al, 88 = SAE, 8E = Al, 3/8 female, SE8 = Al, 1/2 female, Other housings available,
                  | Body Nomenclature: No Body, CP10-3-65, CP10-3-88, SDC10-3-3E8, SDC10-3-6E8,
                  | F = FILTER 300um (Omit if not required), (Not available for low leakage versions) |
                  | 13 = 13 Bar for Electrical (PVE), 24 = 24 Bar for Hydraulic (PVH) or High Current (PVHC) |

![Ordering information diagram]
OPERATION

This is a pilot-operated pressure-reducing (non-relieving) valve.

SPECIFICATIONS

Theoretical performance

<table>
<thead>
<tr>
<th>psi</th>
<th>bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,031</td>
<td>140</td>
</tr>
<tr>
<td>1,740</td>
<td>120</td>
</tr>
<tr>
<td>1,450</td>
<td>100</td>
</tr>
<tr>
<td>1,160</td>
<td>80</td>
</tr>
<tr>
<td>870</td>
<td>60</td>
</tr>
<tr>
<td>580</td>
<td>40</td>
</tr>
<tr>
<td>290</td>
<td>20</td>
</tr>
</tbody>
</table>

Rated pressure

350 bar [5000 psi]

Rated flow at 7 bar

40 l/min [10 US gal/min]

Weight

0.20 kg [0.43 lb]

Cavity

SDC10-3

DIMENSIONS

mm [in]

Cross-sectional view

ORDERING INFORMATION

CP230-4 B - 6S - A - C - 150

Seals

B = Buna-N
V = Viton

Seal kit

120027
120028

Housing and ports

0 = No Housing
SE3B = AL 3/8 BSP
SE4B = AL 1/2 BSP
6S = AL 86 SAE
85 = AL 88 SAE

Other housings available

Housing P/N

No Housing
SDC10-3 SE-3B
SDC10-3 SE-4B

CP10-3-6S
CP10-3-8S

Adjustment option

A = Internal
E = External
F = Tamper resistant
K = Knob

Pressure setting

Code: 10psi (0.69 bar)
Example: 150 = 1500 psi (105 bar)

Pressure range

A = 14.55 [200-800]
B = 21-103 [300-1500]
C = 28-345 [400-5000]

Standard

28
69
103

Standard

[400]
[1000]
[1500]

Example:

150 = 1500 psi (105 bar)
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Non-Relieving
PPRC 06

OPERATION
This is a pilot-operated pressure reducing (non-relieving) valve.

SPECIFICATIONS

Theoretical performance

<table>
<thead>
<tr>
<th>Pressure (bar)</th>
<th>Flow (L/min)</th>
<th>Flow (US gal/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>280</td>
<td>0</td>
<td>70</td>
</tr>
<tr>
<td>210</td>
<td>10</td>
<td>140</td>
</tr>
<tr>
<td>140</td>
<td>20</td>
<td>210</td>
</tr>
<tr>
<td>70</td>
<td>30</td>
<td>70</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

Type of adjustment
E = Internal screw
EN = External screw
M = Handwheel

Setting range
1 = 10-70 bar [145-1015 psi]
2 = 30-140 bar [435-2031 psi]
3 = 70-210 bar [1015-3046 psi]

Seals
V = Viton
Omit = Buna-N

Housing and ports
00 = No Housing
SE3/8 = AL, 3/8 BSP
SE1/2 = AL, 1/2 BSP
SE6S = AL, #6 SAE
SE8S = AL, #8 SAE

Seal kit
230000110
230000070

To order this valve with a specific factory setting, contact your Sauer-Danfoss representative.
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Relieving
PRMP 064

OPERATION
This is a pilot-operated pressure reducing/relieving valve.

SPECIFICATIONS

Theoretical performance

Rated pressure 315 bar [4500 psi]
Rated Flow 40 l/min [10 US gal/min]
Weight 0.21 kg [0.46 lb]
Cavity SDC10-3

DIMENSIONS

Cross-sectional view

ORDERING INFORMATION

Adjustment
E = Internal screw
EN = External screw
M = Handwheel

Setting range
1 = 10-70 bar [145-1015 psi]
2 = 30-140 bar [435-2031 psi]
3 = 70-210 bar [1015-3046 psi]

Seals
V = Viton
Omit = Buna-N

Seal Kit
354003719
230000070

Housing and ports
00 = No Housing
SE3B = Al, 3/8 BSP
SE4B = Al, 1/2 BSP
6S = Al, #6 SAE
8S = Al, #8 SAE

Other housings available
00: No Housing
SE3B: Al, 3/8 BSP
SE4B: Al, 1/2 BSP
6S: Al, #6 SAE
8S: Al, #8 SAE

To order this valve with a specific factory setting, contact your Sauer-Danfoss representative.
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Relieving
CP231-3

OPERATION
This is a pilot-operated pressure reducing/relieving valve.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>350 bar [5000 psi]</td>
<td>115 l/min [30 US gal/min]</td>
</tr>
</tbody>
</table>

Weight: 0.27 kg [0.60 lb]

Cavity: CP12-3S

DIMENSIONS

<table>
<thead>
<tr>
<th>Seals</th>
<th>Seal Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>B = Buna-N</td>
<td>CP231-3B-10S-A-A-050</td>
</tr>
<tr>
<td>V = Viton</td>
<td>120335</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

Adjustment options:
- A = Internal
- F = Tamper Resistant
- E = External
- K = Knob

Pressure setting:
- Code x 10 psi (0.69 bar)
- Example: 050 = 500 psi (34 bar)

Housing and ports:
- 0 = No Housing
- 4B = Al, 1/2 BSP
- 10S = Al, 10 SAE
- 12S = Al, 12 SAE
- Other housings available

Other parts available:
- CP12-3S-12S/4S

Schematic

Cross-sectional view

CP231-3S-10S-4B/2B

Theoretical performance

Rated pressure: 350 bar [5000 psi]
Rated flow at 7 bar [100 psi]: 115 l/min [30 US gal/min]
Weight: 0.27 kg [0.60 lb]
Cavity: CP12-3S

This is a pilot-operated pressure reducing/relieving valve.
Cartridge Valves Technical Information
Pressure Reducing Valves
Pressure Reducing, Relieving
PRR10-DRD

OPERATION
This is a pilot-operated pressure reducing/relieving valve.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Pressure Setting</th>
<th>psi/bar</th>
<th>USgal/min</th>
<th>l/min</th>
</tr>
</thead>
<tbody>
<tr>
<td>104</td>
<td>1450</td>
<td>38</td>
<td>10.6</td>
</tr>
<tr>
<td>104</td>
<td>1160</td>
<td>38</td>
<td>7.9</td>
</tr>
<tr>
<td>104</td>
<td>870</td>
<td>38</td>
<td>5.3</td>
</tr>
<tr>
<td>104</td>
<td>580</td>
<td>38</td>
<td>2.6</td>
</tr>
<tr>
<td>104</td>
<td>290</td>
<td>38</td>
<td>0.2</td>
</tr>
<tr>
<td>104</td>
<td>0</td>
<td>38</td>
<td>0</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Adjustment Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Internal</td>
</tr>
<tr>
<td>E</td>
<td>External</td>
</tr>
<tr>
<td>F</td>
<td>Tamper Resistant</td>
</tr>
<tr>
<td>K</td>
<td>Knob</td>
</tr>
</tbody>
</table>

PRR10-DRD-4-E-104-B-00

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Pressure Range</th>
<th>Housing and ports</th>
<th>Housing Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = 4-27 bar [50-400 psi]</td>
<td>DG38 = Al, 3/8 BSP</td>
<td>CP10-4-3B</td>
</tr>
<tr>
<td>2 = 5-55 bar [70-800 psi]</td>
<td>DG4B = Al, 1/2 BSP</td>
<td>CP10-4-4B</td>
</tr>
<tr>
<td>3 = 7-96 bar [100-1400 psi]</td>
<td>6S = Al, #6 SAE</td>
<td>CP10-4-6S</td>
</tr>
<tr>
<td>4 = 35-165 bar [500-2400 psi]</td>
<td>8S = Al, #8 SAE</td>
<td>CP10-4-8S</td>
</tr>
</tbody>
</table>

Seals
B = Buna-N
V = Viton

Pressure Setting
104 = 104 bar [1500 psi]
XXX = Standard Setting

Specs
Rated pressure 105 bar [1522 psi]
Rated Flow at 7 bar [100 psi] 38 l/min [10 US gal/min]
Weight 0.29 kg [0.64 lb]
Cavity SDC10-4

Dimensions

<table>
<thead>
<tr>
<th>Seals</th>
<th>Seal Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>120023</td>
</tr>
<tr>
<td>V</td>
<td>120024</td>
</tr>
</tbody>
</table>

This is a pilot-operated pressure reducing/relieving valve.

Rated pressure 105 bar [1522 psi]
Rated Flow at 7 bar [100 psi] 38 l/min [10 US gal/min]
Weight 0.29 kg [0.64 lb]
Cavity SDC10-4

Theoretical performance

Cross-sectional view