Directional Control Valve

DG4V–3(S)–*N–FJ/FW–60
DG4V–3(S)–*A(L)/B(L)–FJ/FW–60
DG4V–3(S)–*A(L)/B(L)–FJ/FW–60
Spring offset/Spring centered

Single solenoid valves, solenoid at “A” port end. Transient condition only.

Single solenoid valves, solenoid at “B” port end. Transient condition only.

NOTE
Right hand assembly shown, for left hand assembly all parts reversed except body (& spool on “B” builds) and electrical connectors (where applicable).

- 02–113349 Screw (4 Req’d)
- 262342 “O” Ring
- DG4V–3–AC 508113 508111
- DG4V–3–DC 508113 508124
- DG4V–3S–AC 694274 890246
- DG4V–3S–DC 694272 694323

MODEL  † KNOB  ‡ CORE TUBE S/A
DG4V–3–AC 508113 508111
DG4V–3–DC 508113 508124
DG4V–3S–AC 694274 890246
DG4V–3S–DC 694272 694323

Nameplate (see table)
- 890333 Cover
- 890332 Gasket
- 890330 Strap
- 36212 Screw (2 Req’d)
- 473710 Screw (2 Req’d)
- 890341 Terminal box (W builds)
- 890342 Terminal box (J builds)

- 576915 Screw (ground)
- 507724 Plug AC
- 507908 Plug DC
- 262342 “O” Ring

507334 Body (flying lead) shown
507731 Body (Din)
262342 “O” Ring
Spool (see table)
458458 Washer DC (2 Req’d)
(8B builds AC or DC)
Spring (2 Req’d)
Push Pin
(included in Core Tube S/A see table)
262353 “O” Ring
Core Tube S/A (see table)
262392 “O” Ring
Knob (see table)
DIN Coil (See Table)

507334 Body (flying lead) shown
507731 Body (Din)
262342 “O” Ring
Spool (see table)
458458 Washer DC (2 Req’d)
(8B builds AC or DC)
Spring (2 Req’d)
Push Pin
(included in Core Tube S/A see table)
262353 “O” Ring
Core Tube S/A (see table)
262392 “O” Ring
Knob (see table)
DIN Coil (See Table)

Available in seal kit only
Available in spool accessory kit (see table)
Available in mounting kit 893236 only
Available in qty’s. of 25 or more only
Not available for sale
Torque 44–62 lbf. ft.(5.0–7.0 N.m)
Torque 18–25 lbf. in.(2.3–2.8 N.m)
Torque 22–27 lbf. ft.(30–36 N.m)
Torque 21–26 lbf. in.(2.5–3.0 N.m)
<table>
<thead>
<tr>
<th>MODEL</th>
<th>KNOB</th>
<th>CORE TUBE S/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG4V–3–AC</td>
<td>508113</td>
<td>508111</td>
</tr>
<tr>
<td>DG4V–3–DC</td>
<td>508113</td>
<td>508124</td>
</tr>
<tr>
<td>DG4V–3S–AC</td>
<td>694274</td>
<td>890246</td>
</tr>
<tr>
<td>DG4V–3S–DC</td>
<td>694272</td>
<td>694323</td>
</tr>
</tbody>
</table>

- 890341 Terminal box (W builds)
- 890342 Terminal box (J builds)
- 890330 Strap
- 473710 Screw (2 Req’d)
- 36212 Screw (2 Req’d)
- 890333 Cover
- 890332 Gasket
- 576915 Screw (ground)
- 507334 Body (flying lead) shown
- 507731 Body (Din)
- 458458 Washer DC
- 472553 Roll Pin
- 262332 ‘O’ Ring (4 Req’d)
- Orifice Plug (see table)
- Nameplate (see table)
- 262392 ‘O’ Ring
- Knob (see table)
- 262342 ‘O’ Ring
- 458458 Washer DC (8C builds AC or DC)
- 617605 Washer AC
- 262353 ‘O’ Ring
- Spool (see table)
- DIN Coil (See Table)
- Core Tube S/A (see table)
- DIN Coil (See Table)
- Push Pin (included in CoreTube S/A)
- Coil (See Table)
- 262392 ‘O’ Ring

**NOTE**
Refer to other end of valve for common part numbers.

**DG4V–3(S)–8C–FJ/FW–60**
Spring centered

Double solenoid valves, spring centered
Transient condition only.

- Available in seal kit only
- Available in spool accessory kit (see table)
- Available in mounting kit 893236 only
- Available in qty’s of 25 or more only
- Not available for sale
- Torque 44–62 lbf. ft.(5.0–7.0 N.m)
- Torque 18–25 lbf. in.(2.3–2.8 N.m)
- Torque 22–27 lbf. ft.(30–36 N.m)
- Torque 21–26 lbf. in.(2.5–3.0 N.m)
Double solenoid valves, two position, detented. Transient condition only.

**DG4V–3(S)–*N–FJ/FW–60**

No spring detented

<table>
<thead>
<tr>
<th>MODEL</th>
<th>‡ KNOB</th>
<th>‡ CORE TUBE S/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG4V–3–AC</td>
<td>508113</td>
<td>508111</td>
</tr>
<tr>
<td>DG4V–3–DC</td>
<td>508113</td>
<td>508124</td>
</tr>
<tr>
<td>DG4V–3S–AC</td>
<td>694274</td>
<td>890246</td>
</tr>
<tr>
<td>DG4V–3S–DC</td>
<td>694272</td>
<td>694323</td>
</tr>
</tbody>
</table>

**NOTE**

Refer to other end of valve for common part numbers.

- Available in seal kit only
- Available in spool accessory kit (see table)
- Available in mounting kit 893236 only
- Available in qty’s. of 25 or more only
- Not available for sale
- Torque 44–62 lbf. ft.(5.0–7.0 N.m)
- Torque 18–25 lbf. in.(2.3–2.8 N.m)
- Torque 22–27 lbf. ft.(30–36 N.m)
- Torque 21–26 lbf. in.(2.5–3.0 N.m)
NOTE
Right hand assembly shown, for left hand assembly all parts reversed except body (& spool on "B" builds) and electrical connectors (where applicable).

LIMIT SWITCH ADJUSTMENT
Remove cover and energize solenoid. Loosen switch retaining screws and position switch to obtain complete circuit from common (C) thru normally open (NO) contacts. De-energize solenoid and make sure switch returns to normally open (NO) position before re-installing cover.

Refer to AL/BL–60 for part & kit numbers

DG4V–3(S)–A(L)/B(L)–S3/S4–FJ/FW–60
Switch option

Single solenoid valves, solenoid at "A" port end. Transient condition only.

Single solenoid valves, solenoid at "B" port end. Transient condition only.

NOTE
Available in seal kit only
Available in spool accessory kit (see table)
Available in limit switch kit 892951 only
Available in qty’s. of 25 or more only
Not available for sale
Torque 22–27 lbf. ft.(30–36 N.m)
Torque 21–26 lbf. in.(2.5–3.0 N.m)
BLANK NAMEPLATES (DG4V–3S–60 STANDARD VALVE)

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>NAMEPLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG4V–3S–<em><strong>–</strong></em>–M–U–**60</td>
<td>694302</td>
</tr>
<tr>
<td>DG4V–3S–<em><strong>–</strong></em>–M–F/FP A3/FP A5–**–60</td>
<td>694386</td>
</tr>
<tr>
<td>DG4V–3S–<em><strong>–</strong></em>–M–FPB–**–60</td>
<td>694363</td>
</tr>
<tr>
<td>DG4V–3S–<em><strong>–</strong></em>–M–FPBL–**–60</td>
<td>694362</td>
</tr>
</tbody>
</table>

BLANK NAMEPLATES (DG4V–3–60 HIGH PERFORMANCE VALVE)

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>NAMEPLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG4V–3–<em><strong>–</strong></em>–M–(S*)–U–*7–60</td>
<td>694303</td>
</tr>
<tr>
<td>DG4V–3–<em><strong>–</strong></em>–M–(S*)–U–*2/*6–60</td>
<td>694451</td>
</tr>
<tr>
<td>DG4V–3–<em><strong>–</strong></em>–M–(S*)–F/FP A3/FP A5–*7–60</td>
<td>694387</td>
</tr>
<tr>
<td>DG4V–3–<em><strong>–</strong></em>–M–FPB–**–60</td>
<td>865929</td>
</tr>
<tr>
<td>DG4V–3–<em><strong>–</strong></em>–M–FPBL–**–60</td>
<td>865930</td>
</tr>
</tbody>
</table>

NOTE
Use blank nameplates when converting to other valve configurations. Model number, assembly number, coil designator, tank pressure, and graphic symbol must be imprinted by person performing conversion.

RESTRICCTOR PLUG
Install In P,T,A, Or B As Required

<table>
<thead>
<tr>
<th>CODE</th>
<th>ORIFICE DIA.</th>
<th>PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>0.30 (0.012)</td>
<td>694341</td>
</tr>
<tr>
<td>06</td>
<td>0.60 (0.024)</td>
<td>694342</td>
</tr>
<tr>
<td>08</td>
<td>0.80 (0.030)</td>
<td>694343</td>
</tr>
<tr>
<td>10</td>
<td>1.00 (0.040)</td>
<td>694344</td>
</tr>
<tr>
<td>13</td>
<td>1.30 (0.050)</td>
<td>694345</td>
</tr>
<tr>
<td>15</td>
<td>1.50 (0.060)</td>
<td>694346</td>
</tr>
<tr>
<td>20</td>
<td>2.00 (0.080)</td>
<td>694347</td>
</tr>
<tr>
<td>23</td>
<td>2.30 (0.090)</td>
<td>694348</td>
</tr>
</tbody>
</table>

CAUTION
There is no coil/coretube/part interchangeability between the –60 design and the previous design valves.

- Seal kits
- Seal kit 858996 for (F type coil)
- Seal kit 858995 for (U type coil)
- Seal kit 859049 for (MS spool position monitor switch)

Bolt spacer kit 893225 (spacers required when using –40 design bolts to mount a –60 design valve)

NOTE
For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO 4406 cleanliness code 20/16 for up to 200 bar (3000 psi) and 18/14 for above 200 bar (3000 psi) or cleaner.

Spool accessory kits
These kits contain the correct centering washers, centering springs, and seal kit to service or convert all valve build types. Some extra parts may exist after service or conversion (seals, spring, etc). Spool not included in kit and must be ordered separately.

DG4V–3S–AC/DC 893240 all spools, all builds, except detent builds
DG4V–3S–AC 893242 all spools, detent builds only
DG4V–3S–DC 893243 all spools, detent builds only
DG4V–3–AC 893238 all spools, all builds, except 8B/8C, or detent builds
DG4V–3–AC/DC 893239 8B/8C builds only
DG4V–3–AC DC 893242 all spools, detent builds only
DG4V–3–DC 893239 all spools, all builds, except detent
DG4V–3L–DC 893239 all spools, low power only
DG4V–3L–AC 893241 all spools, all builds, low power only, except 8B/8C
DG4V–3L–AC 893239 low power, 8B/8C only

Construction of a typical single solenoid model
### Flow path during spool shift.

<table>
<thead>
<tr>
<th>Detented</th>
<th>A</th>
<th>B</th>
<th>Sol. port A end</th>
<th>A</th>
<th>B</th>
<th>Sol. port B end</th>
<th>A</th>
<th>B</th>
<th>Spring centered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPOOL CODE</th>
<th>SPOOL #</th>
<th>SPOOL</th>
<th>SPOOL FUNCTIONAL GRAPHIC SYMBOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>♦ OA(L)</td>
<td>617498</td>
<td><img src="OA.png" alt="Diagram" /></td>
<td>![SPOOL.png] OAL ![Symbol.png]</td>
</tr>
<tr>
<td>OB(L)/OC</td>
<td>617121</td>
<td><img src="OB.png" alt="Diagram" /></td>
<td>![SPOOL.png] OBL ![Symbol.png] OC</td>
</tr>
<tr>
<td>♦ 2A(L)</td>
<td>617120</td>
<td><img src="2A.png" alt="Diagram" /></td>
<td>![SPOOL.png] 2AL ![Symbol.png]</td>
</tr>
<tr>
<td>2B(L)/2C</td>
<td>617118</td>
<td><img src="2B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 2BL ![Symbol.png] 2C</td>
</tr>
<tr>
<td>♦ 2N</td>
<td>617126</td>
<td><img src="2N.png" alt="Diagram" /></td>
<td>![SPOOL.png] ![Symbol.png]</td>
</tr>
<tr>
<td>6B(L)/6C</td>
<td>617119</td>
<td><img src="6B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 6BL ![Symbol.png] 6C</td>
</tr>
<tr>
<td>7B(L)/7C</td>
<td>617125</td>
<td><img src="7B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 7BL ![Symbol.png] 7C</td>
</tr>
<tr>
<td>8B(L)/8C</td>
<td>458950</td>
<td><img src="8B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 8BL ![Symbol.png] 8C</td>
</tr>
<tr>
<td>♦ 22A(L)</td>
<td>617122</td>
<td><img src="22A.png" alt="Diagram" /></td>
<td>![SPOOL.png] 22AL ![Symbol.png]</td>
</tr>
<tr>
<td>22B(L)/22C</td>
<td>617455</td>
<td><img src="22B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 22BL ![Symbol.png] 22C</td>
</tr>
<tr>
<td>24A(L)</td>
<td>617456</td>
<td><img src="24A.png" alt="Diagram" /></td>
<td>![SPOOL.png] 24AL ![Symbol.png]</td>
</tr>
<tr>
<td>33B(L)/33C</td>
<td>617123</td>
<td><img src="33B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 33BL ![Symbol.png] 33C</td>
</tr>
<tr>
<td>34B(L)/34C</td>
<td>617128</td>
<td><img src="34B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 34BL ![Symbol.png] 34C</td>
</tr>
<tr>
<td>♦ 52BL/52C</td>
<td>617131</td>
<td><img src="52BL.png" alt="Diagram" /></td>
<td>![SPOOL.png] 52BL ![Symbol.png] 52C</td>
</tr>
<tr>
<td>♦ 56BL/56C</td>
<td>617132</td>
<td><img src="56BL.png" alt="Diagram" /></td>
<td>![SPOOL.png] 56BL ![Symbol.png] 56C</td>
</tr>
<tr>
<td>66B(L)/66C</td>
<td>698745</td>
<td><img src="66B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 66BL ![Symbol.png] 66C</td>
</tr>
<tr>
<td>♦ 521B</td>
<td>617131</td>
<td><img src="521B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 521B ![Symbol.png]</td>
</tr>
<tr>
<td>♦ 561B</td>
<td>617132</td>
<td><img src="561B.png" alt="Diagram" /></td>
<td>![SPOOL.png] 561B ![Symbol.png]</td>
</tr>
</tbody>
</table>

**SPOOL ASSEMBLY NOTES**

Spool orientation unimportant except where indicated.

♦ These spools to be installed as shown in above table with left hand end towards “A” port (reverse 180° for all “AL” builds).
**COILS (DG4V—3S—60 STANDARD VALVE)**

<table>
<thead>
<tr>
<th>CODE</th>
<th>VOLTS AC 50 Hz</th>
<th>VOLTS AC 60 Hz</th>
<th>FLYING LEAD COIL</th>
<th>DIN COIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NN</td>
<td>24</td>
<td>24</td>
<td>02—111630</td>
<td>02—111255</td>
</tr>
<tr>
<td>N</td>
<td>24</td>
<td>24</td>
<td>02—111631</td>
<td>02—111541</td>
</tr>
<tr>
<td>K</td>
<td>48</td>
<td>48</td>
<td>02—111633</td>
<td>02—111542</td>
</tr>
<tr>
<td>A</td>
<td>110</td>
<td>115</td>
<td>02—101730</td>
<td>02—101725</td>
</tr>
<tr>
<td>EK</td>
<td>110</td>
<td>120</td>
<td>02—111635</td>
<td>02—111258</td>
</tr>
<tr>
<td>B</td>
<td>110</td>
<td>220</td>
<td>02—101731</td>
<td>02—101726</td>
</tr>
<tr>
<td>DN</td>
<td>220</td>
<td>240</td>
<td>02—111638</td>
<td>02—111545</td>
</tr>
<tr>
<td>D</td>
<td>440</td>
<td>02—111643</td>
<td>02—111628</td>
<td></td>
</tr>
</tbody>
</table>

**COILS (DG4V—3—60 HIGH PERFORMANCE VALVE)**

<table>
<thead>
<tr>
<th>CODE</th>
<th>VOLTS AC 50 Hz</th>
<th>VOLTS AC 60 Hz</th>
<th>FLYING LEAD COIL</th>
<th>DIN COIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NN</td>
<td>24</td>
<td>508165</td>
<td>865835</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>24</td>
<td>508166</td>
<td>507825</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>48</td>
<td>508169</td>
<td>507833</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>110</td>
<td>698563</td>
<td>698562</td>
<td></td>
</tr>
<tr>
<td>EK</td>
<td>110</td>
<td>120</td>
<td>02—124586</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>110</td>
<td>220</td>
<td>508170</td>
<td>507834</td>
</tr>
<tr>
<td>DN</td>
<td>220</td>
<td>440</td>
<td>865836</td>
<td>865856</td>
</tr>
</tbody>
</table>

**COILS (DG4V—3(S)—60 STANDARD/HIGH PERFORMANCE VALVE)**

* Available For High Performance Valve Only

<table>
<thead>
<tr>
<th>CODE</th>
<th>VOLTS DC 50 Hz</th>
<th>FLYING LEAD COIL</th>
<th>DIN COIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>12</td>
<td>508172</td>
<td>507847</td>
</tr>
<tr>
<td>GL*</td>
<td>12</td>
<td>508175</td>
<td>507855</td>
</tr>
<tr>
<td>H</td>
<td>24</td>
<td>508173</td>
<td>507848</td>
</tr>
<tr>
<td>HL*</td>
<td>24</td>
<td>508174</td>
<td>507852</td>
</tr>
<tr>
<td>DK</td>
<td>32</td>
<td>865863</td>
<td>865881</td>
</tr>
<tr>
<td>OJ</td>
<td>48</td>
<td>865864</td>
<td>865882</td>
</tr>
<tr>
<td>DM</td>
<td>80</td>
<td>865865</td>
<td>865883</td>
</tr>
<tr>
<td>DJ</td>
<td>98</td>
<td>865839</td>
<td>865637</td>
</tr>
<tr>
<td>P</td>
<td>110</td>
<td>865866</td>
<td>865884</td>
</tr>
<tr>
<td>DP</td>
<td>125</td>
<td>865867</td>
<td>865885</td>
</tr>
<tr>
<td>Z</td>
<td>180</td>
<td>865868</td>
<td>865886</td>
</tr>
<tr>
<td>EJ</td>
<td>196</td>
<td>865640</td>
<td>865638</td>
</tr>
<tr>
<td>S</td>
<td>220</td>
<td>865869</td>
<td>865887</td>
</tr>
</tbody>
</table>

**CAUTION**

Electrical power must be disconnected before removing/replacing terminal block, receptacle plug, indicator lights or limit switch.

---

**DG4V—3(S)—FTJ/FTW—60 Terminal block.**

![Terminal block](image1)

**NOTE**

Refer to valve model drawing for balance of part numbers.

---

**DG4V—3(S)—FTJL/FTWL—60 Terminal block with lights.**

![Terminal block with lights](image2)

**NOTE**

Refer to valve model drawing for balance of part numbers.
**Accessory kits**

- **Terminal box accessory kit** 893236 (contains all parts for mounting box)
- **Terminal strip kit** 890345 (includes all attaching hardware).
- **Limit switch kit** 892951 (contains all minor parts for servicing limit switch).

**NOTE**

Light kits cannot be installed without a terminal strip.

### Light kits

#### Light kits (terminal strip included)

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>KIT #</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>893226</td>
</tr>
<tr>
<td>24 VDC</td>
<td>893227</td>
</tr>
<tr>
<td>98 VDC</td>
<td>893228</td>
</tr>
<tr>
<td>120 VAC</td>
<td>893229</td>
</tr>
<tr>
<td>240 VAC</td>
<td>893230</td>
</tr>
</tbody>
</table>

For use on valves without terminal strip installed.

### Light kits

#### Light kits (terminal strip not included)

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>KIT #</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>893231</td>
</tr>
<tr>
<td>24 VDC</td>
<td>893232</td>
</tr>
<tr>
<td>98 VDC</td>
<td>893233</td>
</tr>
<tr>
<td>120 VAC</td>
<td>893234</td>
</tr>
<tr>
<td>240 VAC</td>
<td>893235</td>
</tr>
</tbody>
</table>

For use on valves with terminal strip installed.

**NOTE**

Refer to valve model drawing for balance of part numbers.

**CAUTION**

Electrical power must be disconnected before removing/replacing terminal block, receptacle plug, indicator lights or limit switch.
DG4V–3(S)–FPB–60
Instaplug male/female receptacle

676230 Handle (2 Req’d)
989583 Seal (2 Req’d)
575642 Ring (2 Req’d)
633746 Gasket

422004 Screw (4 Req’d)
Nameplate (Refer to DWG. J–682451)
Carrier (see table)

DG4V–3(S)–FPBL–60
Instaplug male/female receptacle with lights

Light kit (see table)

CAUTION
Electrical power must be disconnected before removing/replacing terminal block, receptacle plug, indicator lights or limit switch.

CARRIER
633732 Insta–plug & lights
635065 Lights
635066 Insta–plug

989709 Screw (2 Req’d)
632673 Female receptacle S/A
576915 Screw (ground)

630855 Terminal box (W 1/2 NPT thread)
866038 Terminal box (J 20mm thread)

358410 Warning tag

507902 Male receptacle S/A

AX–417358 Screw (includes washer)
2 Req’d A/B models
4 Req’d C/N models

471112 Setscrew (2 Req’d)
676231 Gasket

NOTE
Insta–plug part numbers and assembly/disassembly sequence are the same for single and double solenoid valves.

<table>
<thead>
<tr>
<th>VOLTAGE RANGE</th>
<th>LIGHT KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V AC/DC</td>
<td>926499</td>
</tr>
<tr>
<td>24V AC/DC</td>
<td>926431</td>
</tr>
<tr>
<td>115V AC/DC</td>
<td>926432</td>
</tr>
<tr>
<td>230V AC/DC</td>
<td>926458</td>
</tr>
</tbody>
</table>

(PB) Insta–plug kit 893237
This kit is required to add the “PB” option to both standard and high performance valves. Kit contains all parts to convert a standard terminal box equipped valve to the Insta–plug (PB) version.
Model Code

DG4V · 3(S) · *** (L) · * · (V) M· (S*) · *** · *** · * · ** (L) · * · 60 · (EN*) · (P*·A*·B*·T*)

1 D — Directional control valve
   G — Subplate mounted
   4 — Solenoid operated
   V — 350 Bar (5075 psi) P, A, & B ports

2 Standard/High performance
   3 — High performance 80 l/min (21 gpm)
   at 350 bar (5075 psi)
   3S — Standard performance 40 l/min
   (10.5 gpm) at 350 bar (5075 psi)

3 Spool type (see table)

4 Spool/Spring arrangement
   A — Spring offset, single solenoid
   AL — Same as A but left hand build
   B — Spring centered, single solenoid
   BL — Same as B but left hand build
   C — Spring centered
   F — Spring offset, shift to center
   N — No spring detented

5 Manual override options
   Blank — Plain override solenoid end only
   H — Waterproof override solenoid end
   only
   H2 — Waterproof override both ends of
   single solenoid
   P2 — Plain override both ends of single
   solenoid
   Y — Lockable manual override solenoid
   ends only
   Z — No overrides in either end

6 Solenoid energisation identity
   Blank — Standard arrangement for ANSI
   B33 9 (energise solenoid A for flow A to P
   port)
   V — Solenoid A at port A end and/or
   solenoid B at port B end, regardless of
   spool type.
   (All 8 spool valves are V code)

7 Flag
   Electrical options & features

8 Spool indicator switch
   Available on high performance
   models, DG4V—3, only.
   Omit when not required.
   For DG4V—3·*A(L)—(Z)—(V)M·S*—U
   valves having type 2 and 22 spools with
   proximity type DC switch:
   S1 — Switch, normally open.
   S2 — Switch, normally closed.
   For
   DG4V—3·*A(L)—(Z)—(V)M·S*—FP A5W
   valves having mechanical type AC switch,
   wired to 5 pin receptacle:
   S3 — Switch, wired normally open.
   S4 — Switch, wired normally closed.
   For
   DG4V—3·*A(L)—(Z)—(V)M·S5—F(T)W/J
   valves having mechanical type AC switch:
   S5 — Switch, free leads

9 Coil type
   U — ISO 4400
   F — Flying lead
   SP1 — Single 6,3 series spade to IEC 760
   SP2 — Dual 6,3 series spade to IEC 760
   X1 — Flameproof solenoids
   TP EEx—d—11B—T4
   X2 — Hazardous location solenoids to
   meet UL & CSA approval
   X3 — Special protection solenoids to
   BASEEFA standard SFA009:1972,
   protection class Ex—S—11—T4

10 Electrical connections (F type coil
    only) omit if not required
   T — Wired terminal block
   PA — Instaplug male receptacle only
   PB — Instaplug male & female receptacle
   PA3 — Three pin connector
   PA5 — Five pin connector

11 Housing (F type coils only)
   W — 1/2 NPT thread wiring housing
   J — 20 mm thread wiring housing

12 Solenoid indicator lights (omit if not
   required)
   Not available on PA, U, SP1, & SP2 builds

13 Coil identification (see table)
   (*L coils not available on DG4V—3S builds)

14 Tank pressure rating
   Standard performance DG4V—3S
   5 — 100 Bar (72 psi)
   2 — 10 Bar (145 psi)
   4 — 70 Bar (1015 psi)
   6 — 160 Bar (2320 psi) AC valves
   7 — 210 Bar (3045 psi) DC valves

15 Design

16 Special modifications (omit if not
   required)

17 Port orifice plugs (see table) omit if
   not required