Solenoid Controlled Pilot Operated Relief Valves

(F3)–C/G/S/T5–(H)–10***(V)**(V)–M–(S*)******(L)******–100/110–EN**
On CG5–(H)10***C–*-100/110 dual solenoid models, pilot valve & cover S/A are rotated 90° clockwise from body. Refer to pilot valve drawing for parts breakdown.

* Note

Assemble 285601 seat with cross hole facing up as shown.

MODEL | SEAT | SLEEVE
---|---|---
C*5–10 | 283954 | 283952
C*5–H10 | 587996 | 400730

Sleeve ('H' High Flow Models Only) (See Table)

MODEL | COVER S/A
---|---
C*5–(H)100A/F–B(V)–100/110 | 942456
C*5–(H)100A/F–C(V)–100/110 | 942457
C*5–(H)100A/F–F(V)–100/110 | 942458
C*5–(H)101A–B(V)–100/110 | 942459
C*5–(H)102A–B(V)–100/110 | 942460
C*5–(H)10C–B(V)–100/110 | 942461
C*5–(H)101A–C(V)–100/110 | 942462
C*5–(H)102A–C(V)–100/110 | 942463
C*5–(H)10C–C(V)–100/110 | 942464
C*5–(H)101A–F(V)–100/110 | 942465
C*5–(H)102A–F(V)–100/110 | 942466
C*5–(H)10C–F(V)–100/110 | 942467

© Eaton Hydraulics, Incorporated 2000
All Rights Reserved
MODEL | DIAGRAM PLATE | * PILOT VALVE
--- | --- | ---
C’5 –(H)100A(P)–*(V)–M––*––100 | 422864 | DG4V–3S–0BL–M***–60
C’5 –(H)100A(P)–*(V)–M––*––110 | 422865 | DG4V–3–0BL–M***–60
C’5 –(H)101A(P)–*(V)–M––*––100 | 423814 | DG4V–3S–2BL–M***–60
C’5 –(H)101A(P)–*(V)–M––*––110 | 422862 | DG4V–3–2BL–M***–60
C’5 –(H)102A(P)–*(V)–M––*––100 | 422863 | DG4V–3S–0C–M***–60
C’5 –(H)102A(P)–*(V)–M––*––110 | 423815 | DG4V–3–0C–M***–60
C’5 –(H)100C–*(V)–M––*––100 | 422862 | DG4V–3S–2C–M***–60
C’5 –(H)100C–*(V)–M––*––110 | 422863 | DG4V–3–2C–M***–60
C’5 –(H)100F(P)–*(V)–M––*––100 | 422862 | DG4V–3S–0FL–M***–60
C’5 –(H)100F(P)–*(V)–M––*––110 | 422863 | DG4V–3–0FL–M***–60

* Refer to pilot valve drawing for parts breakdown.

MODEL | COVER | PLUG/O’RING (2 REQ’d) | PLUG/O’RING
--- | --- | --- | ---
C’5–(H)100A–100/110 | 422852 | | |
C’5–(H)101A–100/110 | 424204 | 343740/263494 | 398071/263492
C’5–(H)102A–100/110 | | | |
C’5–(H)10*C–100/110 | | | |

MODEL | WASHER | COVER SPRING | SPRING
--- | --- | --- | ---
C’5–10**–B–100/110 | | 2280 | 291822
C’5–H10***–BV–100/110 | | 233110 | 583937
C’5–10**–C–100/110 | 2281 | 291822 | 291821
C’5–H10***–CV–100/110 | | 291822 | 291821
C’5–10**–F–100/110 | | 291822 | 291821
C’5–H10***–FV–100/110 | | 291822 | 291821

- Included In Cover S/A
- Included In F3 Seal Kit 696930 (includes pilot valve seals)
- Lubricate With Oil Before Assembly
- Not Available For Sale

**Note**
Parts Prefixed With A Symbol Available Only In Kits.

- 263494 O’Ring
- 343740 Plug Torque 15.0–16.6 N.m. (133–147 lb. in.)
- Diagram Plate (See Table)
- AX–36212 Screw (4 Req’d)
- 581703 Body

- 262332 O’Ring
- 262399 O’Ring (2 Req’d)
- 160571 Pin
- CG5–(H)10**–*–100/110

Relief valve sectional view without pilot valve
<table>
<thead>
<tr>
<th>Model Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>(F3) - C - 5 - (H) ** * * - * (V) ** (V) - M - (Sx) - * ** ** (L) - ** ** ** - 100/110 - EN**</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seals for mineral oil &amp; fire resistant fluids</td>
</tr>
<tr>
<td>2</td>
<td>Relief valve</td>
</tr>
<tr>
<td>3</td>
<td>Connections</td>
</tr>
<tr>
<td>4</td>
<td>Solenoid controlled</td>
</tr>
<tr>
<td>5</td>
<td>High flow</td>
</tr>
<tr>
<td>6</td>
<td>Valve size</td>
</tr>
<tr>
<td>7</td>
<td>Pilot spool function</td>
</tr>
<tr>
<td>8</td>
<td>Pilot spool spring arrangement</td>
</tr>
<tr>
<td>9</td>
<td>Pressure range</td>
</tr>
<tr>
<td>10</td>
<td>High vent (Req’d for high flow models)</td>
</tr>
<tr>
<td>11</td>
<td>Manual override options (included in pilot valve model code)</td>
</tr>
<tr>
<td>12</td>
<td>Solenoid energization identity</td>
</tr>
<tr>
<td>13</td>
<td>Flag symbol heading electrical options &amp; features</td>
</tr>
<tr>
<td>14</td>
<td>Spool position monitoring switch (tank pressure rating 10 bar only)</td>
</tr>
<tr>
<td>15</td>
<td>Coil type</td>
</tr>
<tr>
<td>16</td>
<td>Electrical connections (F type coil only) omit if not required</td>
</tr>
<tr>
<td>17</td>
<td>Housing (F type coils only)</td>
</tr>
<tr>
<td>18</td>
<td>Electrical options</td>
</tr>
<tr>
<td>19</td>
<td>Solenoid indicator lights (F build only) To be used with T terminal block models. (Omit if not required)</td>
</tr>
<tr>
<td>20</td>
<td>Coil identification</td>
</tr>
<tr>
<td>21</td>
<td>Pilot valve code (tank pressure rating)</td>
</tr>
<tr>
<td>22</td>
<td>Pilot valve port orifices</td>
</tr>
<tr>
<td>23</td>
<td>Design</td>
</tr>
<tr>
<td>24</td>
<td>Special modifications (omit if not required)</td>
</tr>
</tbody>
</table>

**Notes:**
- **Blank** – Omit for low vent models
- **V** – Solenoid identification determined by position of solenoid. (Solenoid A at port A end and/or solenoid B at port B end. (All 4 & 8 spools are always V code)
- **U** – ISO 4400
- **SP1** – Single 6,3 series spade to IEC 760
- **SP2** – Dual 6,3 series spade to IEC 760

**Thru** 22 included in pilot valve model code