Multi—Pressure Relief Valves

(F3)—C/G/S/T—06/10**(*)—V—DG—OA(L)**—(V)—M—(S)*****—(L)*****—40/50
NOTE: Lubricate all parts & seals with a thin coat of oil at assembly.

DG4V3(S)—OA(L)—60 Pilot valve (Refer to parts drawing for detailed information).

255698 Bolt kit (Torque 4.5—5.6 N.m.)
40—50 lb.in. (Pilot valve to adapter plate mounting) Not shown

255651 Bolt kit (Torque 14.9—20.3 N.m.)
11—15 lb.ft. (Adapter plate to cover mounting)

422814 Adapter plate

△ 113000 Plug (4 Req’d)
△ 262334 “O”Ring (4 Req’d)
○ Cover (see table)
○ 290057 Piston (2 Req’d)
○ Cover spring (see table)
○ △△ 262332 “O”Ring (2 Req’d)
○ △△ 197570 BU—Ring (2 Req’d)
○ △ 370701 Plunger (2 Req’d)

○ ※△ 292230 ADJ. screw (2 Req’d)
○ ※△ 1485 Locknut (2 Req’d)
○ ※△ 283949 Lockscrew (2 Req’d)
○ △□ 64520 Washer (As req’d)
○ △□ 326317 Washer (As req’d)

※ NOTE: Coat 292230 ADJ. screw, 283949 lock screw and 1485 lock nut with oil prior to assembly.

□ NOTE: These parts used at final test to obtain correct pressure range.

Caution

Use only a DG4V3(S)—OA—60 or DG4V3(S)—OAL—60 directional valve as a pilot for this relief valve. Use of a different pilot can block relief valve, causing excessive system pressure.

Hydrocone (see table)

Model | Seat | Hydrocone | Lo—Vent spring | Hi—Vent spring | Cover
---|---|---|---|---|---
C*—06 | 343153 | 343154 | 2077 | 184458 | 370666
C*—10 | 283954 | 283952 | 291822 | 291821 | 370671

NOTE: Use either a Lo—Vent or Hi—Vent spring. Do not use both. (See model code)

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. OFP, OFR, and OFRS series filters are recommended.
## Model Code

<table>
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<tr>
<th>(F3) - C* ** - *<em>(x)(V) - DG - <strong>(L)</strong> - (V)M - (S</em>) - ** - ** - <strong>(L) - ** - ** - ** - ** - EN</strong></th>
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### Definition:
- **Seals for mineral oil & fire resistant fluids**
- **Relief valve connections**
- **Valve size**
- **Pressure range**
- **High vent**
- **Directional valve**
- **Spool type & spring arrangement**
- **Left hand build**
- **Manual override options** (included in pilot valve model code)
- **Solenoid energization identity**
  - Blank — Standard arrangement for ANSI B31.9 (energise solenoid A for flow P to A port)
  - 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)
- **Flag symbol heading electrical options & features**
- **Spool position monitoring switch** (tank pressure rating 10 bar only)
  - S1 — Switch, normally open, U coils only
  - S2 — Switch, normally closed, U coils only
  - S3 — Switch, wired normally open, P* 
  - S4 — Switch, wired normally closed, P* 
  - S5 — Switch, free leads, FW & FJ only
  Omit if not required
- **Coil type**
  - U — ISO 4400
  - P — Plug in coil
  - F — Flying lead
  - SP1 — Single 6,3 series spade to IEC 760
  - SP2 — Dual 6,3 series spade to IEC 760
- **Electrical connections** (F type coil only) omit if not required
  - T — Wired terminal block
  - PA — Instraplug male receptacle only
  - PB — Instraplug male & female receptacle
  - PA3 — Three pin connector & terminal block
  - PA5 — Five pin connector & terminal block
- **Housing** (F type coils only)
  - W — 1/2 NPT thread wiring housing
  - J — 20 mm thread wiring housing
- **Electrical options**
  - 1 — ISO with fitted plug, U type coils only
  - 7 — Surge damper, P type coils only
  - 9 — Rectifier (fast type) P type coils only
  - 12 — Rectifier (slow type) P type coils only
- **Solenoid indicator lights** (F build only) To be used with T terminal block models. (Omit if not required)
- **Coil identification**
  - 2 — 10 bar (145 psi) use with switch models S*
  - 5 — 100 bar (1450 psi) for all other models
- **Pilot valve port orifices**
- **Design**
  - 40 — DG4V3S—60
    - Standard pilot valve
  - 50 — DG4V3—60
    - High performance pilot valve
- **Special modifications** (omit if not required)

7 Thru 20 included in pilot valve model code