Vickers®
Service Data
Directional Controls

Mechanical Actuators Directional Control Valves
310 bar (4500 psi)
DG1V4-01**-10 Knob Operated
DG17V4-01**-10 Lever Operated
DG17V4-01*C-10

927023 Screw (2 Req'd) (Torque 3-1.0 N.m 7-9 lbs.in.)

283635 Knob

3289 Lever

177920 "E" Ring (3 Req'd)

02-360855 Clevis Pin (3 Req'd)

255693 Link

283638 Bracket

8076 Screw (2 Req'd) (Torque 2.3-2.8 N.m 20-25 lbs.in.)

02-356379 Centering Spring (2 Req'd)

02-344223 Centering Washer (2 Req'd)

Spool (Type 2 shown) (See Table page 4)

199811 "O" Ring (5 Req'd)

NOTE
Right hand assembly shown in all views.
For left hand, all parts except body and nameplate are reversed.
Reverse spools for: 0, 2, 6, 7, 8, 22 & 33

Std Seal F3 Seal F6 Seal
199811 262334 200085
263492 263492 154129
02-356378 02-360886 02-361724

Above parts included in seal kit:
STD KIT F3 KIT F6 KIT
02-363850 02-363851 02-363852

Builds otherwise same as "C" spring centered model

DG17V4-01*A-10
Spring Offset - Handle Out

02-356380 Spring

02-356380 Spring Offset - Handle In

02-356380 Spring

02-356387 Washer (Spring end only)

02-357443 Detent S/A (2 Req'd) (See Detail)

02-356383 Spring Detent
181880 Ball (3 Req'd)

02-356382 Detent Housing
154595 Roll Pin

263492 "O" Ring (Std & F3)
855897 Retaining Ring
02-343367 Plug Guide
02-356378 "U" Cup Seal

DG17V4-01*A2-10
Spring Offset - Handle In

02-356380 Spring

02-356387 Washer (Spring end only)

02-355330 Spool Stop

NOTE

02-355330 Spool Stop

02-356387 Washer

02-357443 Detent S/A

02-356383 Spring Detent

181880 Ball

02-356382 Detent Housing

154595 Roll Pin
For S3 models, wire switch normally open lugs to connector pins 1 & 2
For S4 models, wire switch normally closed lugs to connector pins 1 & 2

Builds on this page otherwise same as models shown on page 2
### Model Code

#### Interface seals
- Blank - Buna N (std.)
- F3 - Viton (fire resistant seals)
- F6 - Nitrile seals (water glycol)

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#### Spool type (crossover condition)
- 0 - Open center, all ports
- 1 - Open center, B blocked
- 2 - Closed center
- 3 - Closed center, P and B blocked
- 6 - Closed center, P only
- 7 - Closed center, T blocked
- 8 - Open center, A and B blocked
- 11 - Open center, A blocked
- 22 - Closed center, 2-way
- 31 - Closed center, A and P blocked
- 33 - Closed center, bleed A & B

#### Spool/Spring arrangement
- A - Spring offset (handle out)
- A2 - Spring offset (handle in)
- C - Spring centered
- N - No spring detented

#### Flow direction
- V4 - Four-way, 310 bar (4500 psi)

#### Valve size
- 01 - ISO-4401-05, NFPA-D05 interface

#### Spool indicator switch
- S3 - Switch wired normally open
- S4 - Switch wired normally closed

#### Handle
- H - Booted handle for harsh environment

#### Flag symbol
- M - Electrical features (applies only to switch models)

#### Switch connection
- U - DIN 43650 connection for switch
- U1 - DIN 43650 connector provided for switch

#### Design number
Subject to change. Installation dimensions remain as shown for design numbers 10 through 19.

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### SPOOL TYPE

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<th>SPOOL TYPE</th>
<th>PART NO.</th>
<th>SYMBOL</th>
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**SPOOL NOTE:**
- For left hand build type 1 use 02-362446
- For left hand build type 11 use 02-362445
- For left hand build type 3 use 02-355337
- For left hand build type 31 use 02-355334