

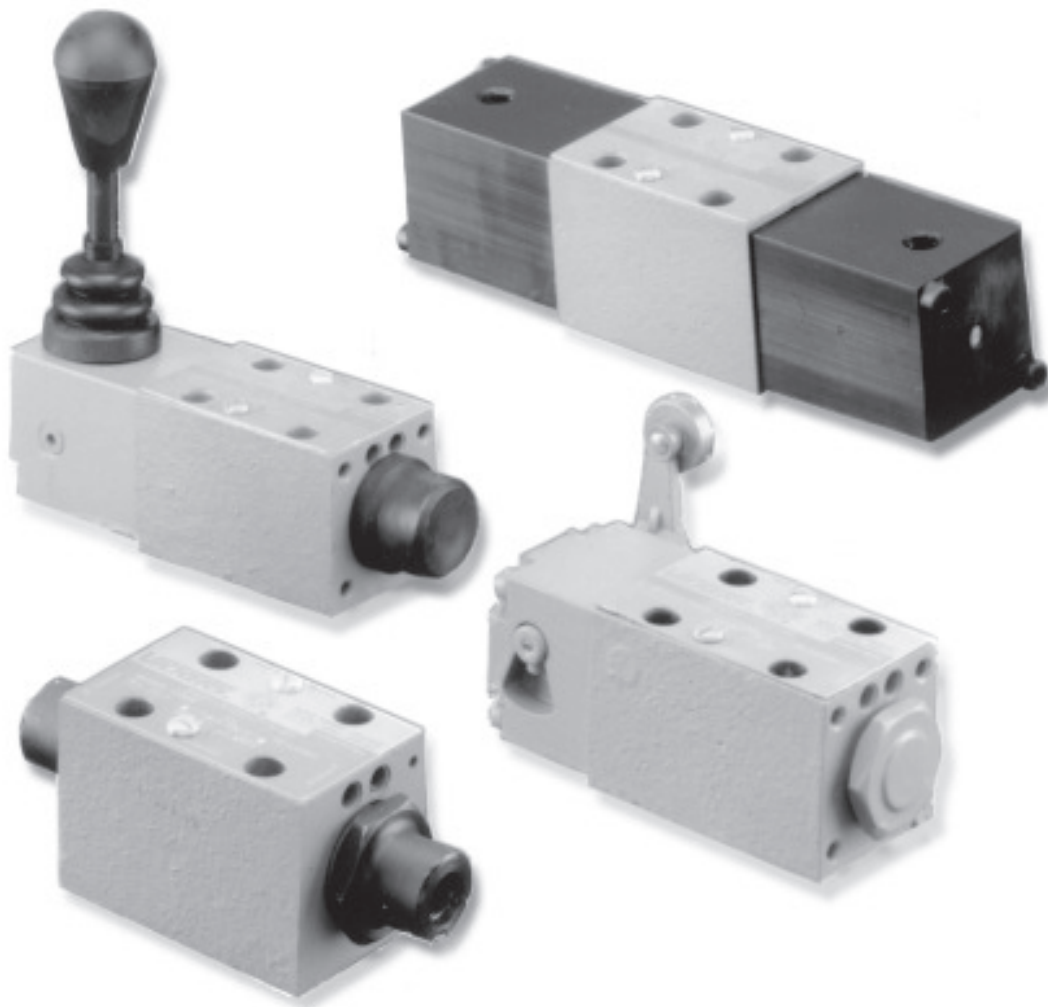
Vickers®

Directional Controls



Directional Control Valves

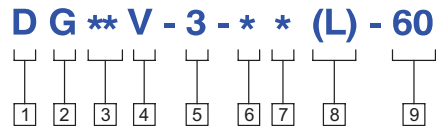
DG3V-3*-60 Hydraulic Operated
DG17V-3*-60 Lever Operated
DG18V-3*-60 Air Operated
DG20V-3*-60 Cam Operated
DG21V-3*-60 Plunger Operated
CETOP 3, NFPA D03, ISO 4401



VICKERS

Released 5/94

Lever/Cam/Plunger Operator Model Code



1 Directional Control Valve

2 Subplate Mounted

3 Operator

- 17 - Lever operated
- 20 - Roller cam operated
- 21 - Plunger operated

4 Rated Pressure

350 bar (5000 psi)

5 Interface

ISO 4401-03 (CETOP 3, NFPA D03)

6 Spool Type (center condition)

- 0 - Open center (all ports)
- 2 - Closed center (all ports)
- 6 - Closed center (P only)
- 7 - Open center (P to A & B, T blocked)
(DG17 models only)
- 8 - Tandem center (P to T)
- 22-Closed center (two-way)
(DG17 models only)
- 33-Closed center (bleed A & B)

7 Spool Spring Arrangement

- A -Spring offset to center position No.3
(see installation dimensions)
- A2-Spring offset from position No.1 to
position No.1 (DG20V cam operator
only)
- C -Spring centered
- N -No-spring detented
(DG17V lever operator only)

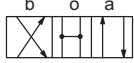
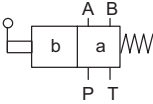

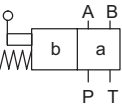

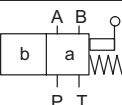

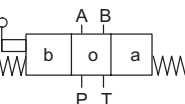

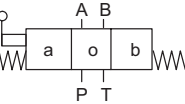
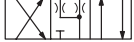
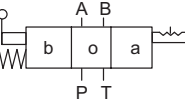
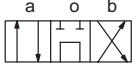
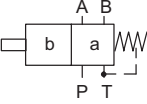
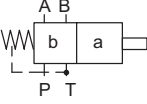
8 Left-hand Assembly

(omit for standard right-hand
assembly shown)

9 Design

Installation dimensions remain as shown
for design numbers 60 thru 69

DG17/20/21V-3-* -60 Functional Symbols

Spool Options	Model	Basic Valve Symbol	Usable Spool Options
"0" 	DG17V-3-**A DG20V-3-**A		0, 2, 6, & 22 0, 2, 6, & 22
"2" 	DG20V-3-**A2		0, 2, 6 & 33
"6" 	DG20V-3-**A2L		0, 2, 6 & 33
"7" 	DG17V-3-**C DG20V-3-**C		0, 2, 6, 7 & 33 0, 2, 6, & 33
"22" 	DG17V-3-**8C		8
"33" 	DG17V-3-**N		0, 2, 6, 7 & 33
"8" 	DG21V-3-2A		2
	DG21V-3-2AL		2

→ Full flow
 -> Restricted flow

DG17V-3 Installation Dimensions

DG17V-3-*⁻⁶⁰ Lever Operated

Millimeters (inches)

