#### **Service Data**

## **Directional Valves**



# **Pilot Operated Directional Valves**

(F\*) - DG3V - 10 - (B) - \*\*(L) - (X) - (\*) - (\*) - 10 - (EN\*\*)



Main stage spool type	Used on valve type			Spool
0	*		88	02-317225
1/11 💠	4		88	02-317226 *
2	*		88	02-317237
3/31 ☜ ♦	4		88	02-317227 *
4 💠	*		88	02-317231
6	*		88	02-317238
7	*			02-317228
8 ♦	4		88	02-317233
9	*		88	02-317250
33	*		88	02-317234
52/521 🖘	*			02-317235 *

#### Note

SAE straight thread plugs used on exterior of valve.

#### Note

Parts included in service kits are not sold separately.

#### \* Note

Assemble type 1 & 3 spools with narrow center land toward "A" end of valve. "A" end is defined as being closest to CYL. port "A".

Assemble type 11 & 31 spools with narrow center land toward CYL. port "B". Assemble type 52 spool with narrow land toward CYL. port "B".

Assemble type 521 spool with narrow land toward CYL. port "A".

- ♦ Spool types 1,3, 4,8,11, & 31 are not available on "A" offset valve models.
- Spool types 31,52, & 521 are not available on "D" pressure centered model valves.

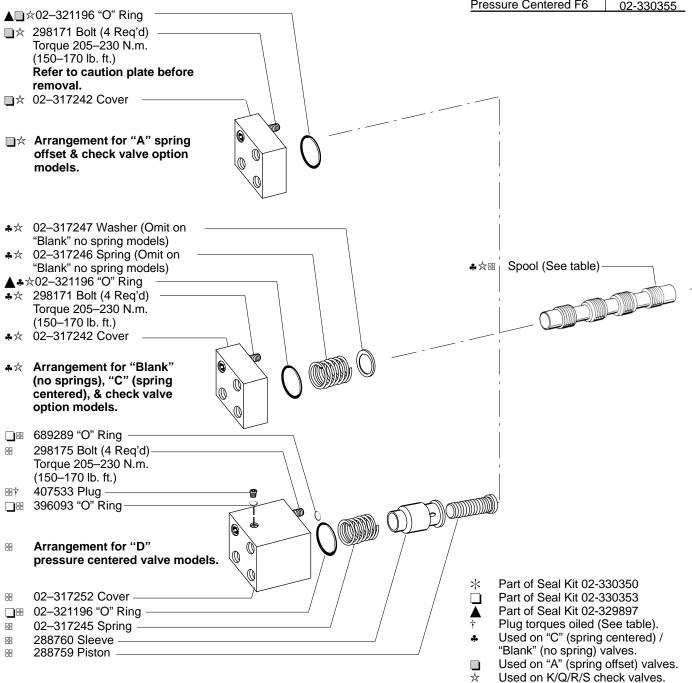
#### Note

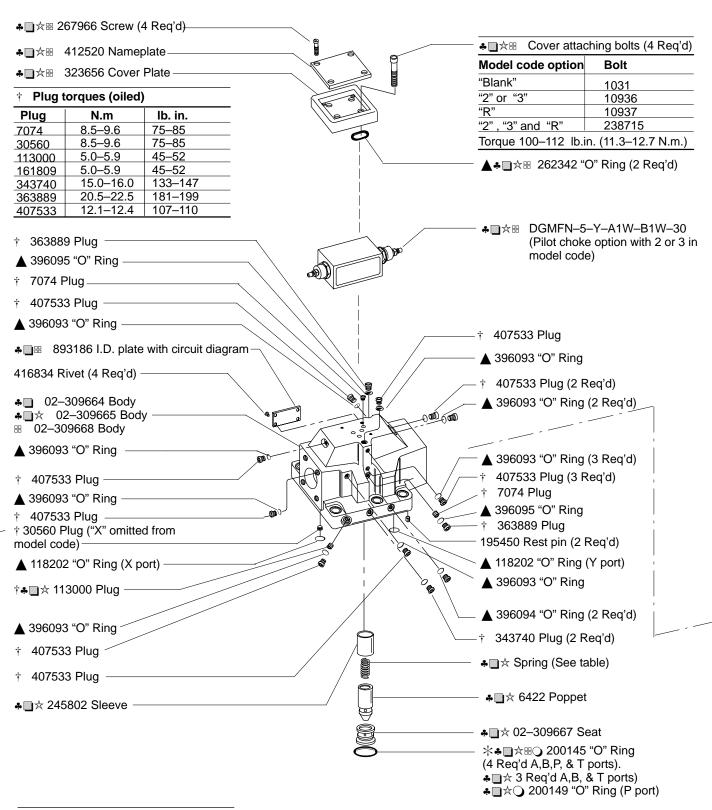
All internal seals of the mainstage are F3. Mounting face seals are standard (Buna-N). F6 seal are special (Nitrile) and are used throughout the valve assembly.

® Viton is a registered trademark of E.I. DuPont

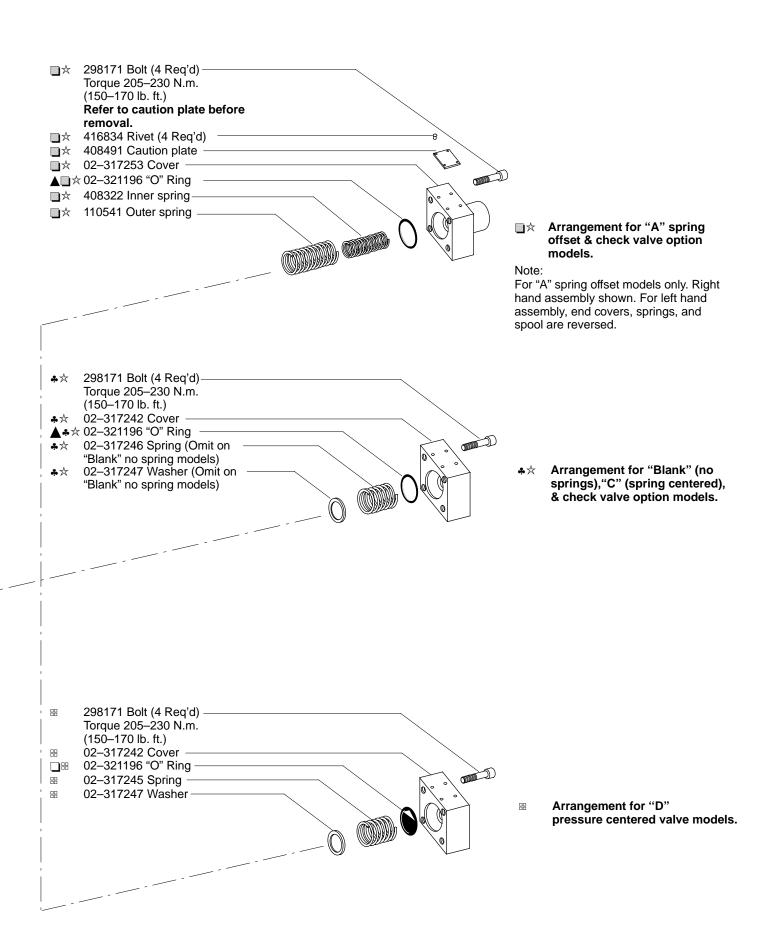
Seal	Kits
Location	Kit Number
Mainstage	02-329897
Mainstage F3	02-329898
Mainstage F6	02-329899
With 'P' Port Check	02-330350
With 'P' Port Check F3	02-330351
With 'P' Port Check F6	02-330352
Pressure Centered	02-330353
Pressure Centered F3	02-330354
Pressure Centered F6	02-330355

Used on "D" pressure centered valve.

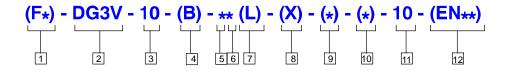




★ Spring Options				
Part No.	Description			
247287	K-0.3 bar (5 psi) spring			
247288	Q-2.4 bar (35 psi) spring			
276428	R-3.4 bar (50 psi) spring			
432353	<b>S</b> -5.2 bar (75 psi) spring			



### **Model Code**



#### Special Seals

(Omit if not required)

- F3 Seals for fire resistant fluids
- F6 Seals for water glycol

#### 2 Directional Control Valve

**DG3V** - Subplate mounting; pilot operated, remote operator. Pressure rating 210 bar (3000 psi) for P, A & B ports.

- 3 Valve Size
- 10 Valve size CETOP 10, NFPA D10

#### 4 Gauge Ports

**Blank** - .4375-20 UNF-2B Thread  $\mathbf{B} - \frac{1}{4}$  BSP Thread

#### 5 Spool Types

- 0 Open to T all ports
- 1 Open P&A to T, closed B
- 2 Closed to T all ports
- 3 Closed P&B, open A to T
- 4 Tandem P to T, closed crossover
- 6 Closed P only, open A&B to T
- 7 Open P to A&B, closed T
- 8 Tandem P to T, open crossover
- 9 Open to T all ports over tapers
- 11 Open P&B to T, closed A
- 31 Closed P&A, open B to T
- 33 Closed P, open A&B to T over tapers 27 -
- 52 Closed center, regen. by sol. 'A'
- 521 Closed center, regen. by sol. 'B'

#### 6 Spool/Spring Arrangement

#### Blank - No spring

- A Spring offset to cylinder 'A'
- C Spring centered
- **D** Pressure centered 140-210 bar (2000 3000 psi)

#### 7 Left Hand Build

L - 'A' Models only, omit if not required.

#### 8 Fast Response

**X-** Not available with CETOP 3 pilots or pressure centered 'D' and 'DB' models.

#### 9 Spool Control Modifications

(Omit if not required)

- Stroke adjustment (both ends) available on C & Blank (no spring) models)
- 2 Pilot choke adjustment (available on all models)
- Pilot stroke and stroke adjusters (both ends) (available on C & Blank (no spring) models)
- 7 Stroke adjusters on cylinder 'A' end only (available on AL, C & Blank (no spring) models)
- Stroke adjusters on cylinder 'B' end only (available on AL, C, & Blank (no spring) models)
- 27 If both are required (available on A, C, & Blank (no spring) models)
- 28 If both are required (available on AL left hand build, C & Blank (no spring) models)

#### 10 Check Valve in Pressure Port

(Omit if not required)

Not available for 'D' models

- K 0,3 bar (5 psi) check
- Q 2,4 bar (35 psi) check
- R 3,4 bar (50 psi) check
- S 5,2 bar (75 psi) check

#### 11 Design Number

#### 12 Special Modifications

(Omit if not required)