

Service Data

Vickers®

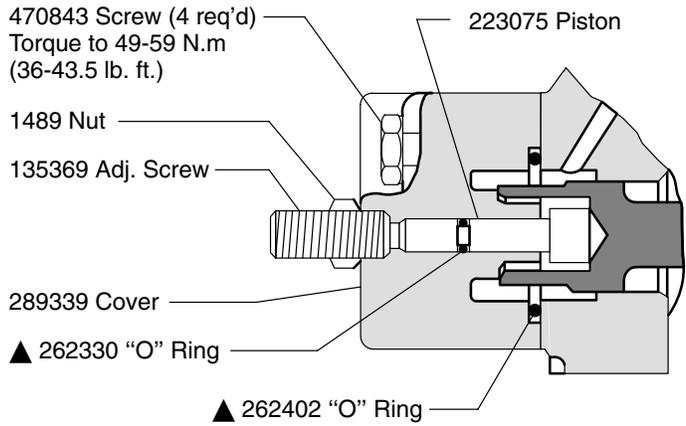
Directional Controls



Pilot Operated Directional Control Valves

DG3S-8-*A*-*-*10

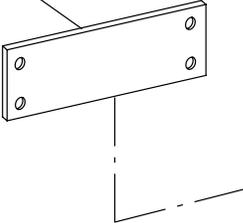




Parts shown included in stroke adjustment kit 941154. One kit required.

ID Plate with
Circuit Diagram
400960 RH Assy.
434311 LH Assy.

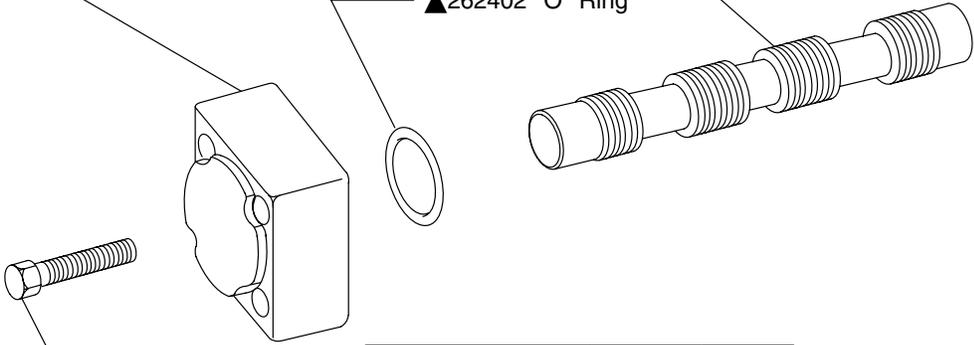
416834 Rivet
(4 req'd)



| Model | Spool |
|------------------|--------|
| DG3S-8-0A*-*-10 | 363495 |
| DG3S-8-2A*-*-10 | 276624 |
| DG3S-8-6A*-*-10 | 363498 |
| DG3S-8-9A*-*-10 | 363500 |
| DG3S-8-33A*-*-10 | 363501 |

280400 Cover

▲ 262402 "O" Ring



◇ 473784 Screw (4 req'd)
Torque to 49-59 N.m
(36-43.5 lb. ft.)

| Model | ⊖ Spring | Color |
|-------------------|----------|--------|
| DG3S-8-*A*-*-K-10 | 398130 | — |
| DG3S-8-*A*-*-R-10 | 398131 | Yellow |
| DG3S-8-*A*-*-S-10 | 398132 | Red |

□941157 Cover & Rest Pin S/A

□400982 Cover

□472553 Rest Pin

Pilot Choke
(See back page for parts.)

■*⊖591769 Plug

▲⊖263493 "O" Ring

■*⊖113000 Plug

⊖▲263492 "O" Ring

■*⊖591768 Plug

■*⊖591768 Plug

▲263492 "O" Ring

*237588 Orifice Plug
(Remove for models with 'X' in model code.)

▲262389 "O" Ring
(2 req'd) (X & Y ports)

■*⊖113000 Plug (Does not exist on check valve models.)

⊖Spring (See table)

⊖580449 Valve

⊖580450 Seat

▲262394 "O" Ring (4 req'd) (A, B, P & T ports)

Cover Attaching Screws

| Model | □Screw (4 req'd) | Bolt Kit |
|--|------------------|----------|
| W/out pilot choke | 473726 | — |
| With pilot choke | — | 466836 |
| Torque 39.8-50.4 lb. in. (4.5-5.7 N.m) | | |

Note

- Parts included in service kits will not be sold separately.
- All threaded fasteners are metric.
- End cover screws are metric grade 12.9.

▲262335 "O" Ring (2 req'd)

262332 "O" Ring (4 req'd)

*471119 Set Screw
(Bond in place with Loctite H/S or equivalent.)

■*591768 Plug

▲263492 O-ring

▲263492 O-ring

■*591768 Plug

▲263492 "O" Ring (2 req'd)

■*591768 Plug (2 req'd)

▲263492 "O" Ring (2 req'd)

■*591768 Plug (2 req'd)

▲263492 "O" Ring (2 req'd)

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■*591768 Plug (2 req'd)

▲263492 "O" Ring (2 req'd)

■*591768 Plug (2 req'd)

▲263492 "O" Ring (2 req'd)

◇470843 Screw (4 req'd)
Torque to 36-43.5 lb. ft. (49-59 N.m)

277453 Cover

293884 Spring

▲262402 "O" Ring

◆400990 Body (Std)

◆400989 Body (Check Valve)

199312 Rest Pin (2 req'd)

▲263494 "O" Ring (2 req'd)

■*591770 Plug (2 req'd)

Note

Right hand assembly shown. For left hand assembly, covers and spring are reversed and I.D. plate is changed.

| ■Plug | Torque lb. in. (N.m) |
|--------|----------------------|
| 113000 | 45-52 (5.0-5.9) |
| 591768 | 87-90 (9.8-10.2) |
| 591769 | 107-110 (12.1-12.4) |
| 591770 | 133-147 (15.0-16.6) |

□Included in 941164 Fastener Kit

◇Included in 941170 Fastener Kit

*Included in 941167 Plug Kit

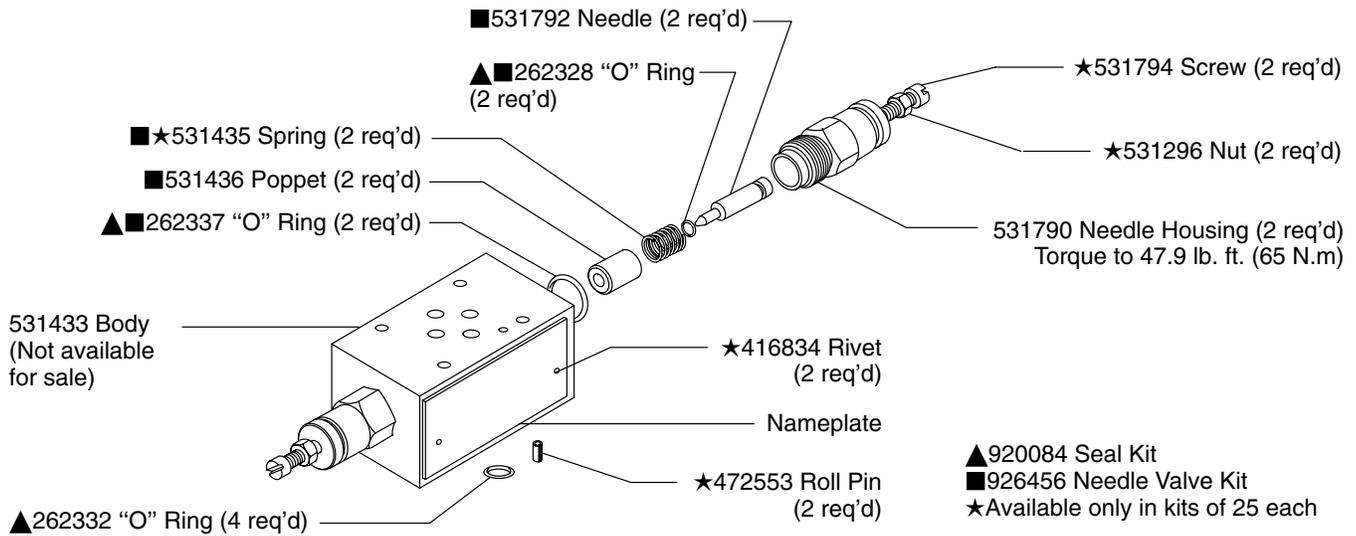
◆Not available for sale

⊖Used on Check Valve models only.

▲Service all units with 920149 F3 Seal Kit

Pilot Choke

DGMFN-3-Y-A2W-B2W-21



Model Code

(F3) - DG3S - 8 - * A * - * - * - 10 (LH)

1 2 3 4 5 6 7 8 9 10

1 Seals

F3 - Special seals for mineral oil or fire resistant fluid

2 Model Series

DG3S - Directional control valve, subplate mounted, pilot operated, 210 bar (3000 psi)

3 Size

8 - CETOP 8

4 Spool Types

5 Spring Offset

6 Response

X - Fast response (Omit for standard models.)

7 Spool Control Modification

(Omit when not required.)

2 - Pilot choke adjustments

7 - Stroke adjustment - Cylinder 'A' end only (RH)

8 - Stroke adjustment - Cylinder 'B' end only (LH)

2-7 - If both are required

2-8 - If both are required

8 Check Valve in Pressure Port

(Omit when not required.)

K - 5 PSI (0.35 bar)

R - 50 PSI (3.45 bar)

S - 75 PSI (5.20 bar)

9 Design

10 LH Assembly Offset to 'B'

(Omit for RH assembly offset to 'A'.)

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.