

Service Data

Vickers®

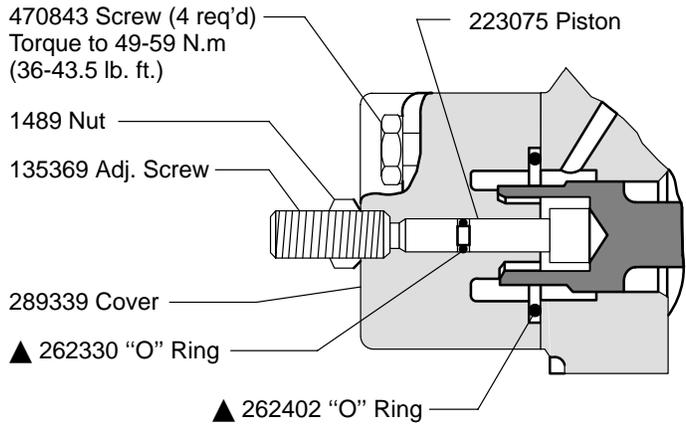
Directional Controls



Pilot Operated Directional Control Valves

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

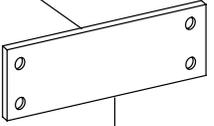




Parts shown included in stroke adjustment kit 941154. One kit required.

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

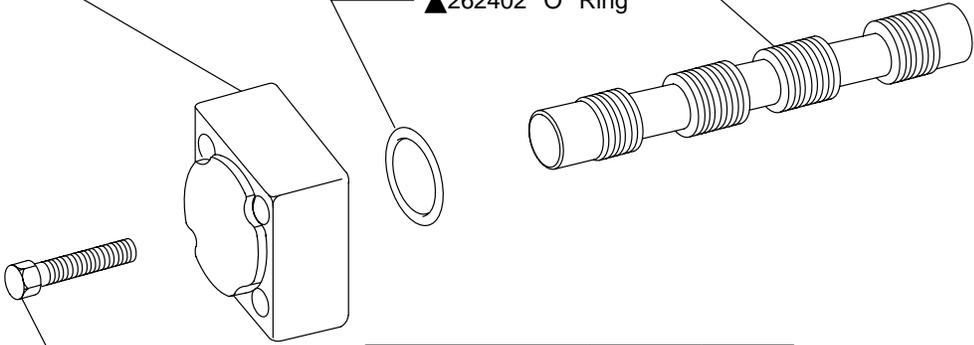
416834 Rivet
(4 req'd)



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)

▲Service all units with 920149 F3 Seal Kit

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)

▲263492 "O" Ring (2 req'd)

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▲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

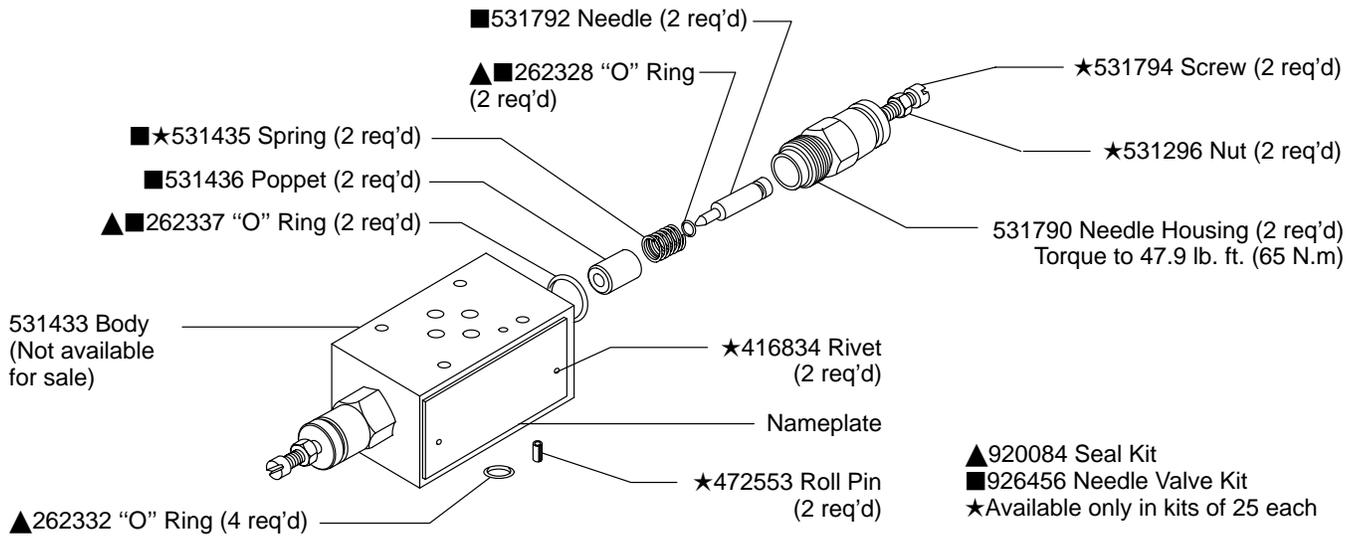
*Included in 941167 Plug Kit

◆Not available for sale

⊖Used on Check Valve models only.

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	5 Spring Offset <hr/> 6 Response X - Fast response (Omit for standard models.)	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)
2 Model Series DG3S - Directional control valve, subplate mounted, pilot operated, 210 bar (3000 psi)	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	9 Design <hr/> 10 LH Assembly Offset to 'B' (Omit for RH assembly offset to 'A'.)
3 Size 8 - CETOP 8		
4 Spool Types		

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.