



Wet Armature Pilot Operated Directional Valves

DG5S4-10*A/B/C/N-*-**-*-**-*80

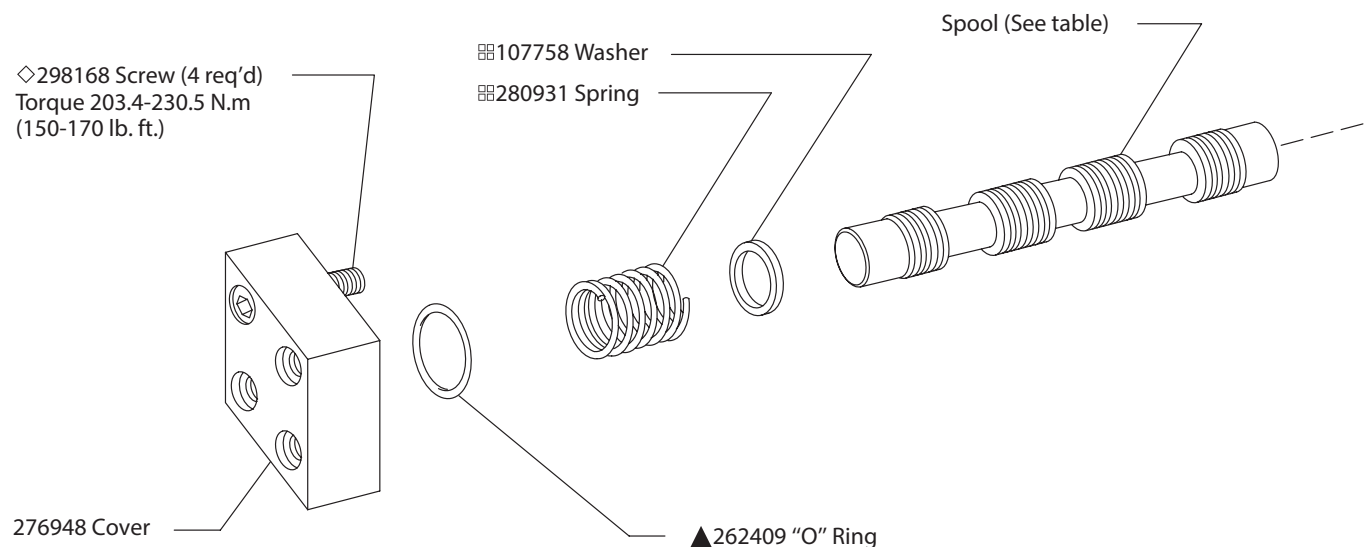
Valve Model Code		Spool	Main Stage ID Plate with Circuit Diagram	
Model	Valve Type		A	B, C, N
DG5S4-100-	A/B/C/N	364037	400975	400976
DG5S4-101-	B/C	*331404	—	400977
DG5S4-102-	A/B/C/N	364038	400975	400978
DG5S4-103-	B/C	*277479	—	400979
DG5S4-104-	B/C	281193	—	400980
DG5S4-106-	A/B/C/N	364039	400975	400981
DG5S4-108-	B/C	364041	—	400980
DG5S4-109-	A/B/C/N	277563	400975	400976
DG5S4-1031-	B/C	*277479	—	580475
DG5S4-1033-	A/B/C/N	364042	400975	400981

*Assemble type "1" & "3" spools with narrow center land toward "A" end of valve. "A" end of valve is defined as being closest to cylinder port "A". Type "31" spool is installed in reverse of type "3", with narrow center land toward "B" end of valve.

Plug Installation Table				
Model	"A" Plug	"B" Plug	"C" Plug	
DG5S4-10**	Out	30560	Out	
DG5S4-10**-E		7074	30560	
DG5S4-10**-X		Out	Out	
DG5S4-10**-X-E		7074		
DG5S4-10**-K/L/R/S			161809	30560
DG5S4-10**-E-K/L/R/S			113000	
DG5S4-10**-X-K/L/R/S			Out	Out
DG5S4-10**-X-E-K/L/R/S			113000	

Plug	Torques (oiled)	
	N.m.	lb. in.
7074	8.5-9.6	75-85
7075	20.0-23.0	180-205
30560	8.5-9.6	75-85
113000	5.0-5.9	45-52
161809	5.0-5.9	45-52
343740	10.0-11.8	90-105
363889	16.9-18.0	150-160
407533	3.4-4.0	30-35

Model	■Spring
DG5S4-10**-K	247287
DG5S4-10**-L	247288
DG5S4-10**-R	276428
DG5S4-10**-S	432353



▲ Service all units with F3 Seal Kit
920213

◇ Included in Fastener Kit 941262
Included in Bolt Kit 255633
Included in Bolt Kit 255654

★ Included in Plug Kit 941263

■ Used in Check Valve models only

▢ Remove on Spring Offset models

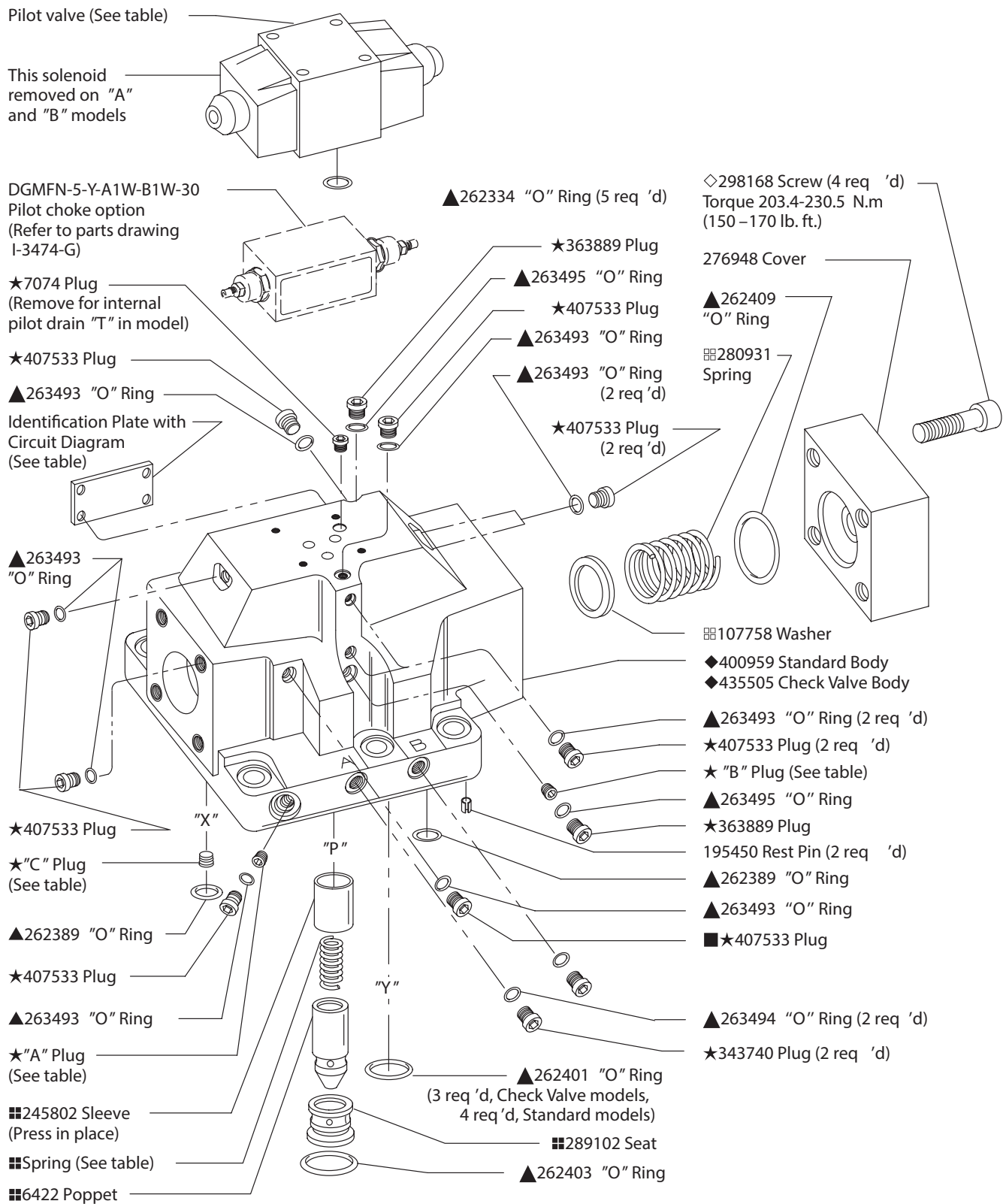
◆ Not available for sale

Seal Kit Note

The -80 design valves are manufactured as shown with F3 seals used internally. Interface seals are standard Nitrile material and are converted to F3 in the seal kit. All seals in the seal kit are F3.

Note

Parts included in service kits are not sold separately.

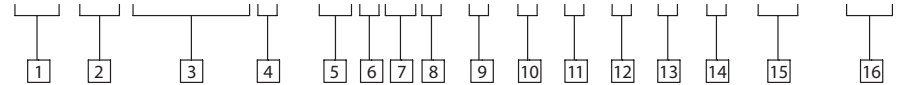


Valve Model	Main Stage Spool	Pilot Valve Model	Pilot Valve Drawing
DG5S4-10*A-80	0, 2, 6, 9, 33	DG4S4-012A-60	I-3878-S
DG5S4-10*B-80	0, 1, 2, 3, 6	DG4S4-016B-60	I-3879-S
	9, 31, 33	DG4S4-0168B-60	
	4 & 8	DG4S4-016C-60	I-3879-S
DG5S4-10*C-80	0, 1, 2, 3, 6	DG4S4-0168C-60	
	9, 31, 33	DG4S4-012N-60	
	4 & 8		
DG5S4-10*N-80	0, 2, 6, 9, 33		I-3880-S

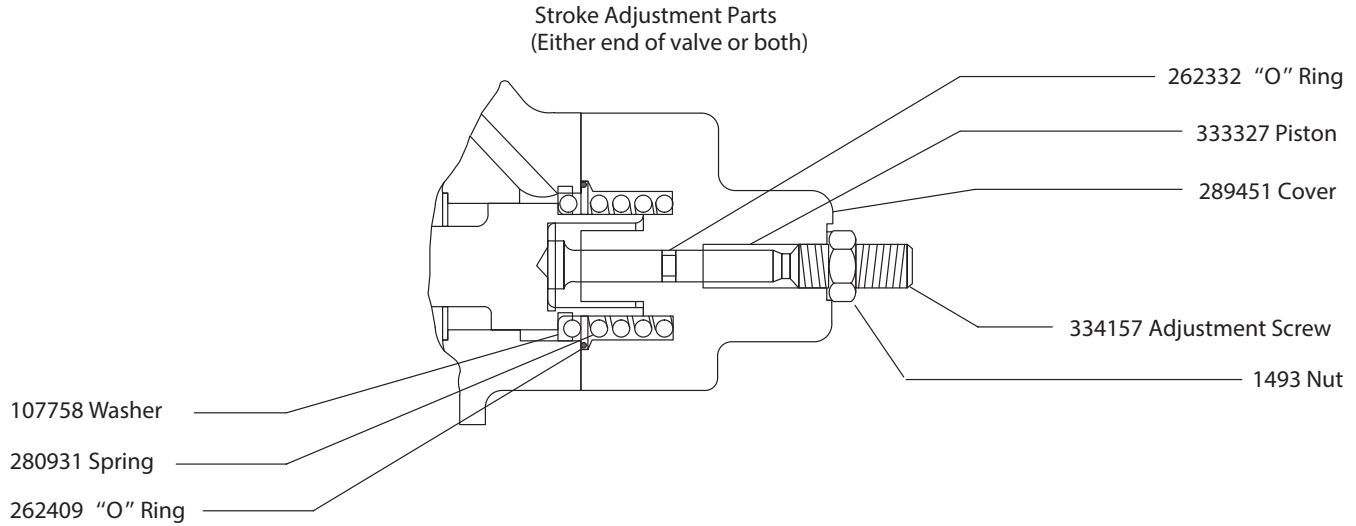
Pilot Attaching Bolt Kits	
Model	Bolt Kit
Without pilot choke	255633
With pilot choke	255654
(Torque to 11.3 - 12.65 N.m) (100 - 112 lb. in.)	

Model Code

(F3) P* DG5S4 * - 10 * C * - * - * - * - * - 80 - (LH)



1 Seal Material	6 Main Stage Spool Types	11 Pilot Drain
F3 - Seals for mineral oil and fire resistant fluids	0, 1, 2, 3, 4, 6, 8, 9, 31, & 33	T - Internal pilot drain Omitted - External pilot drain
2 Electrical Options (Omit if not required)	7 Valve Type	12 Check Valve in Pressure Port (Omitted - No check valve)
PA - Insta plug valve with plug only PB - Insta plug valve with plug & receptacle	A - Spring offset B - Spring centered (one solenoid) C - Spring centered N - No spring detented	K - 5 psi (0.35 bar) L - 30 psi (2.14 bar) R - 50 psi (3.45 bar) S - 75 psi (5.2 bar)
3 Model Series	8 Response	13 Pilot Valve Type
DG5S4 - Directional control valve, manifold or subplate mounted, solenoid controlled pilot operated, sliding spool, flow direction 4 - 4 way	X - Fast response models Omitted - Low shock models	W - Wet armature
4 Electrical Accessories	9 Spool Control Modifications (Omit if not required)	14 Coil Identification Letter
L - Solenoid indicator lights Omitted - None	1 - Stroke adjustment 2 - Pilot choke adjustment 3 - Pilot choke & stroke adjustment 7 - Stroke adjustment "A" end only 8 - Stroke adjustment "B" end only	15 Design
5 Valve Size	10 Pilot Pressure	16 Left Hand Assembly (Omit for right hand assembly)
10 series - 1 1/4 inch	E - External pilot pressure Omitted - Internal pilot pressure	



For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from Danfoss OFF, OFR, and OFRS series are recommended.

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Local address:

**Danfoss
Power Solutions (US) Company**
2800 East 13th Street
Ames, IA 50010, USA
Phone: +1 515 239 6000

**Danfoss
Power Solutions GmbH & Co. OHG**
Krokamp 35
D-24539 Neumünster, Germany
Phone: +49 4321 871 0

**Danfoss
Power Solutions ApS**
Nordborgvej 81
DK-6430 Nordborg, Denmark
Phone: +45 7488 2222

**Danfoss
Power Solutions Trading
(Shanghai) Co., Ltd.**
Building #22, No. 1000 Jin Hai Rd
Jin Qiao, Pudong New District
Shanghai, China 201206
Phone: +86 21 2080 6201

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