

8 507908 Plug

Nameplate	
694303	
694451	
694387	
865929	
865930	
865933	
865934	
865935	

▲ 262342 "O" Ring Spring (See table) -458458 Washer-676560 Plug -(2 Reg'd) 0 0

DG4V-3(S)-*A2 **-(V)M-FW-60 Spring offset to CYL. "A", shift to center

DG4V-3(S)-*B2 **-(V)M-FW-60 Spring centered, Sol. "A" removed. Refer to other end of valve for common part numbers except as noted.

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DG4V-3S-*C2 **-(V)M-FW-60 Spring centered, dual solenoid. Refer to other end of valve for common part numbers except as noted.

88 507972 Plug & manual overide S/A ▲ 262342 "O" Ring Spring (See table) 1 req'd 458458 Washer 676560 Plug (2 Req'd) DG4V-3(S)-*A2 **-*P2-(V)M-FW-60 Manual override in end cover. Refer to other end of valve for common part numbers except as

noted.

Coil S/A "SP1" models	Coil S/A "SP2" models	Coil S/A "KU" models	Coil S/A "P12L" models
02-123950	02-123942	02-140393	02-124274
02-124719	02-124389	02-148712	02-124511
02-123951	02-123943		02-124275
02-123952	02-123944		02-124238
02-123953	02-123945		02-124276

Type "F" flying lead coils must be powered by DC electrical signal. Type P12L coils must be powered by 110–120, 50–60 Hz AC rectified to DC signal. DIN rectified connectors ("11" or "12" in model code) can be used to convert AC volts to DC voltage to

Model Code	Terminal Box "W/J" Flying lead	Conduit Box "P12L" Plug in	Туре	
DG4V3(S)-A/B/C-W	890341		Single/double coil	
DG4V3(S)-A/B/C-J	890342			
DG4V3(S)-C-P12L		866000	Double coil with rectifie	
DG4V3(S)-A/B-P12L		866001	Single coil with rectifier	

Rotate conduit box/rectifier/light assembly 180° for models AL, BL, and 8B with solenoid mounted on B port side of body.

Spool/Spring Arrangement DG4V3/DG4V3S Models

Model	Туре	DG4V3 Spool	DG4V3 Spring	DG4V3S Spool	DG4V3S Spring
	2*	892913	890195	892913	507889
_*B/C	3*/31*	927027	507889	927027	507889
- 6/0	6*	892914	507889	892914	694299
	8*	02-303660	927200	893319	507889
	33*	892915	507889	892915	507889
	0*	02-148720	890195	02-148720	694299
-*A	2A	892916	890195	892916	507889

Assemble type "3" spool in body with narrow center land towards A port. Assemble type "31" spool in body with narrow center land towards B port.

Orifice Changing Procedure WARNING

- 1. Before breaking a circuit connection make certain that power is off and system pressure has been released. Lower all vertical cylinders. discharge accumulators and block any load whose movement could generate pressure. Plug all removed units and cap all lines to prevent entry of dirt into the system.
- 2. Using a 5/32" hex key, remove manual actuator plug and spring from the end of solenoid (Tightening torque 6.2-7.3 N.m 55-65 lbf.in.)
- 3. Insert extraction tool (878495) into solenoid via the manual actuator opening. Rotate tool until aligned and push pin into slot in armature.
- 4. Using 1/2" wrench and tool to prevent the armature from rotating. insert 3/32" hex key down the center of tool and remove orifice plug.
- 5. Replace by the same method, tightening orifice snug to ensure bottoming of threads. Smaller orifices increase response times. larger orifices decrease response time.

Orifice & tool kit 02-140211

For fine tuning shift performance. orifice must be ordered separately. The kit includes (2) each of .7, .8 & .9 mm dia. orifices, (1) installation tool, (1) 5/32" hex key and (1) 3/32" hex key.



Model Code

1 Va	lve Туре	8 Manual overide options
D – G – 4 – V –	Directional control valve Subplate mounted Soleniod operated Rated pressure 350 bar	Blank – Overide in soleniod en P2 – Manual overide in end solenoid, A & B models only.
	(5075 psi)	9 Reverse solenoid identif
2 Int	erface	Blank – ANSI B93 energize s
3 –	ISO 4401–03, CETOP 3 (NFPA DO3)	 V – Solenoid identification by position of solenoid (i.e. solenoid A is at p
3 Va	lve performance	valve, solenoid B is at port E
S – Blank	Standard performance –High performance	valve).
4 Sp	ool types	10 Flag Symbol
0 -	Open center	and options.)
2 – 3 –	Closed center (all ports) P & B closed, A to T	11 A Coil Type Options
6 – 8 –	Closed center (P only) Tandem center (open crossover)	F - Flying lead type coils
31 -	P & A closed, B to T	U - DIN 4400 coils.
33 –	Closed center (bleed A & B)	SP2 – Dual $1/4$ male spade
5 Sp	ool/Spring Arrangment	P12L – Plug–in coils W/rectifi iunction box, lights inc
A –	Spring offset, single soleniod	KU - Top exit flying leads.
AL -	Same as A but left hand build	
BI -	Spring centered, single solenoid Same as B but left hand build	Coll Connector Options
C-	Spring centered	("U" type coils only, omit if not
		1 – Connector fitted.
6 So	ft shift valve	11 – Rectifier with lights fit
7 So	ft shift orifice size	12 - Rectifier fitted.
- 00	No orifice	13 A Electrical Connector
07 -	0.7 mm dia.	("F" type coils only omit if not
- 80	0.8 mm dia	
09 -	0.9 mm dia. 2.0 mm dia*	PA – Instra-plug male recp
20-	2.0 11111 Ula	PA5 = 5-pin receptacle.
* Minir	nun orfice size recommended for	PB - Insta-plug male & fer

Service Data

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13 14 15	16 17	 18 19	
6	14	Wiring Housing Thread Options	
end only.	("F" typ	be coils only, omit if not required.)	
nd cap &	W –	1/2 " NPT	
	J –	M20 x 1.5 – 6H	
tification	G-	G 7/2	
solenoid A to	15	Solenoid Indicator Light Options	
on determined od	(Not av	railable on PA, U, SP1, SP2, omit equired.)	
port A end of	16	Coil Identification Letter Options	
B end of	GH –	12V DC	
	DTH -	18V DC	
	HH -	24V DC	
fosturos	PH -	110V DC (red d. 101 P 12L 110dels.	
il leatures	SH -	220V DC	
	17 Ta	nk Pressure Rating	
S	2 -	10 bar (145 psi) for	
	5 -	100 bar (1450 psi) for DG4V-3S	\cap
ade. Je.	7-	207 bar (3000 psi) for DG4V-3	
ifier in ncluded.	18 De	sign Number	
	19 Port Orfices		
S	03 -	0.3 mm dia.	
ot required.)	06 -	0.6 mm dia.	
	10 -	1.0 mm dia	
fitted	13 -	1.3 mm dia.	
itted.	15 -	1.5 mm dia	
	20 -	2.0 mm dia.	
	23 -	2.3 mm dia.	
r Options	(Examp	ble: "P03" = 0.3 mm dia. orifice	
A CONTRACTOR OF	in P po	rt of valve. Omit if not required.)	

t required.) cpt. only.

emale recpt.

ptions refer



DG4V 3 (S) - **(L) 2 ** - (P2) - (V) M -****(L) - **H * - 60 - (P* - A* - B* - T*)

VICKER5



Vickers Incorporated A TRINOVA Company 5445 Corporate Drive P. O. Box 302 Troy, Michigan 48007–0302 U.S.A.

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