No. 06-05-0001 EN-0301



Parts Information



VICKER5

Optimized - Soft Shift Function

DG4V-3 -**(L) 3 - (P2) - (V) M - ****(L) - **H * - 60 - (P* - A* - B* - T*) ISO 4401, Size 03; ANSI/B93.7M-D03



		ı						
Model		Knob	≭Core Tube S/A					
DG4V-3-*	*(L) 3	998330	02-344643					
Restrictor Plug Install In P,T,A, Or B As Required		d		⊗ 02-11: (4 R: □ 88 47127	eg'd "F" mode	els)		
CODE	ORIFICE		PART #		(2	Req'd "U" mo	odels)	
03 06	0,30 (0. 0,60 (0.		694341 694342	□ Nameplate	□ 88 34867	'0 Screw eq'd "P12L" n	nodale)	
08	0,80 (0.	030)	694343	(see table)	•	•	,	
10 13	1,00 (0. 1,30 (0.	050)	694344 694345		,	Cover W/J mo Gasket W/J m		
15 20	1,50 (0. 2,00 (0.		694346 694347	The access of the same Williams and the	P			
23	2,30 (0.		694348	■ 890330 Strap W/J models	■ 36212 S	Screw (2 Req'd	I) W/J models	
		473710 S models (2 473269 S			Termina (See tab	l/Conduit box ble)		
		models (2			9 890332	Gasket W/J m	odels	_
			Vasher P12L /	0	♦Body		Туре	_
		models (2	/		507731 507731		Flying lead coil Din 4400 coil	-
	. 262327 "(. (4 Req'd)	O" Ring P "C" mode	12L models [/] Is	☐ 576915 Screw (ground) W/J models	866039		Plug in coil	-
				 	. —	i		
				♦ Body (See table	a) ————	1		
					<i>-</i>)			_ ·
				▲ 262342 O" Ring		P	· Pal	. —
				 Plug in coil P12L" (see table) (1 req'd) A & B, (2 req'd) C models. 				
				Flying lead coil F" (see table) (1 req'd) A & B, (2 req'd) C models.	5 0		<u></u>	
					262332 (4 Req'd)			
	_				Orfice plu (see table	ıg ——		
	K				■ 472553 R	•		
					Spool (see ta	able)		
	Ų \				458458 Was			
			\	▲ 262353 O"F	Spring (see Omit A m	table) odels this end		
\	\ \ \		1	= 202333 0 1	_	in seal kit 8589	996	
	/ / (\emptyset	\	│	Omit for D		,,,,	
	\ \			(includes push pin)	•	in CoreTube S/		
	\ \			DIN 4400 coil (shown) (see table)	■ Available i◆ Not availa	in qty's. of 25 l ble for sale	or more only	
	\ \	\		U,KU,SP1,SP2 (1 req'd) A & B, (2 req'd) C models.	88 Torque 44	I-62 lbf. ft.(5,0		
	\			262392 0" Ring		3-25 lbf. in.(2,3 2-27 lbf. ft.(30-	•	
				† Knob (see table)		:-27 lbl. it.(30- -26 lbf. in.(2.5		
				2	•			

DG4V-3 -60 Design



Blank Nameplates (DG4V-3-60 High Performance Valv	ve)
Model Code	Nameplate
DG4V-3-***-**-M-U-*7-60	694303
DG4V-3-**-**-M-U-*2/*6-60	694451
DG4V-3-***-**-M-F/FPA3/FPA5-*7-60	694387
DG4V-3-***-**-M-FPB-**-60	865929
DG4V-3-***-**-M-FPBL-**-60	865930
DG4V-3-C/N**-**-M-P-**-60	865933
DG4V-3-A/B/F**-**-M-P-**-60	865934
DG4V-3-AL/BL/FL**-**-M-P-**-60	865935

⊞ 507908 Plug

▲ 262353 0" Ring

Spring (See table)

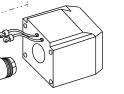
458458 Washer

676560 Plug
(2 Req'd)

For more information on options refer to service drawing I-3886-S.

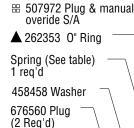
DG4V-3-*A3 -(V)M-FW-60 Spring offset to CYL. "A", shift to center. DG4V-3-*B3 -(V)M-FW-60 Spring centered, Sol. "A" removed.

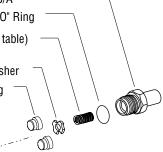
Refer to other end of valve for common part numbers except as noted.





DG4V-3-*C3 -(V)M-FW-60 Spring centered, dual solenoid. Refer to other end of valve for common part numbers except as noted.





DG4V-3-*A3 -*P2-(V)M-FW-60
Manual override in end cover.
Refer to other end of valve for common part numbers except as noted.

NOTE

Right hand assembly shown for all single solenoid valves, for left hand assembly all parts reversed except body (& spool on "B" builds) and electrical connectors (where applicable).

Model Code Coil Identification Letter

				notod.			
Coil letter	Coil S/A Voltage DC	Coil S/A "F" models	Coil S/A "U" models	Coil S/A "SP1" models	Coil S/A "SP2" models	Coil S/A "KU" models	Coil S/A "P12L" models
GH	12 VDC	02-123958	02-123938	02-123950	02-123942	02-140393	02-124274
DTH	18 VDC	02-124394	02-124392	02-124719	02-124389	02-148712	02-124511
HH	24 VDC	02-123959	02-123939	02-123951	02-123943		02-124275
DJH	98 VDC	02-123960	02-123940	02-123952	02-123944		02-124238
PH	110 VDC	02-123961	02-123941	02-123953	02-123945	— <u> </u>	02-124276
SH	220 VDC	02-124260	02-124441				

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. DIN rectified connectors (11" or 12" in model code) can be used to convert AC volts to DC voltage to power the valve.



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

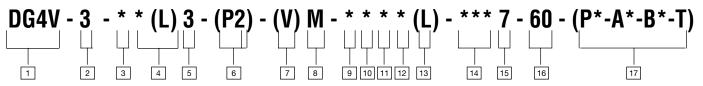
	Spool/Spring	Arrangement DG4V3 Models
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Model	Type	DG4V3 Spool	DG4V3 Spring
	2*	892913	507889
D/O	3/31*	927027	507889
-*B/C	6*	892914	694299
	8*	02-303660	927200
	33*	892915	507889
	0*	02-148720	507889
-*A	2A	892916	507889

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.



DG4V-3 Soft Shift Model Series



■ Valve Type

- D Directional control valve
- G Subplate mounted
- 4 Solenoid operated
- V Rated pressure (350 bar)

2 Interface

3 - ISO 4401-03, CETOP 3 (NFPA D03)

(High performance only)

Spool Types

- 0 Open center
- 2 Closed center (all ports)
- 3 P & B closed, A to T
- 6 Closed center (P only)
- 8 Tandem center (open crossover)
- 31 P & A closed, B to T
- 33 Closed center (bleed A & B)

4 Spool/Spring Arrangement

- A Spring offset, single solenoid
- AL Spring offset, single solenoid (left hand build)
- B Spring centered, single solenoid
- BL Spring centered, single solenoid (left hand build)
- C Spring centered

5 Soft Shift Valve - Optimized Fixed Orifice

6 Manual Override

- Blank Override in solenoid end only
- P2 Manual override in end cap and solenoid, A & B models only.

Solenoid Energization identity

- Blank ANSI B93 energize solenoid A to give flow P to A
- V Solenoid identification determined by position of solenoid (i.e. solenoid A is at port A end of valve, solenoid B is at port B end of valve.)

8 Flag Symbol

(Introduces electrical features and options)

9 Coil Types

- F Flying lead type coils
- U DIN 43650 coils
- SP1 Single 1/4" male spade
- SP2 Dual 1/4" male spade
- P12L Plug-in coils w/rectifier in junction box, lights included.
- KU Top exit flying leads

10 Coil Connectors

- ("U" type coils only, omit if not required)
- 1 Connector fitted
- 6 Connector with light fitted
- 11 Rectifier with lights fitted
- 12 Rectifier fitted

11 Electrical Connections

- ("F" type coils only, omit if not required)
- PA Insta-plug male recpt. only
- PA3 3-pin receptacle
- PA5 5-pin receptacle
- PB Insta-plug male & female recpt.
- T Terminal block

12 Wiring Housing Thread

- ("F" type coils only, omit if not required)
- W 1/2" NPT
- J M20 x 1.5 6H
- G G1/2

Solenoid Indicator Lights

(Not available on PA, U, SP1, SP2. Omit if not required.)

14 Coil Identification Letter

- GH 12V DC
- DTH 18V DC
- HH 24VDC
- DJH 98V DC (req'd. for P12L models)
- PH 110V DC
- SH 220V DC

15 Tank Pressure Rating

7 - 210 bar (3045 psi)

15 Design Number

17 Port Orfices

Blank - 00

- 03 0.3 mm dia.
- 06 0.6 mm dia.
- 08 0.8 mm dia.
- 10 1.0 mm dia.
- 13 1.3 mm dia
- 15 1.5 mm dia.
- 20 2.0 mm dia.
- 23 2.3 mm dia.
- (Example: "P03" = 0.3 mm dia. orifice in P port of valve. Omit if not required.)





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