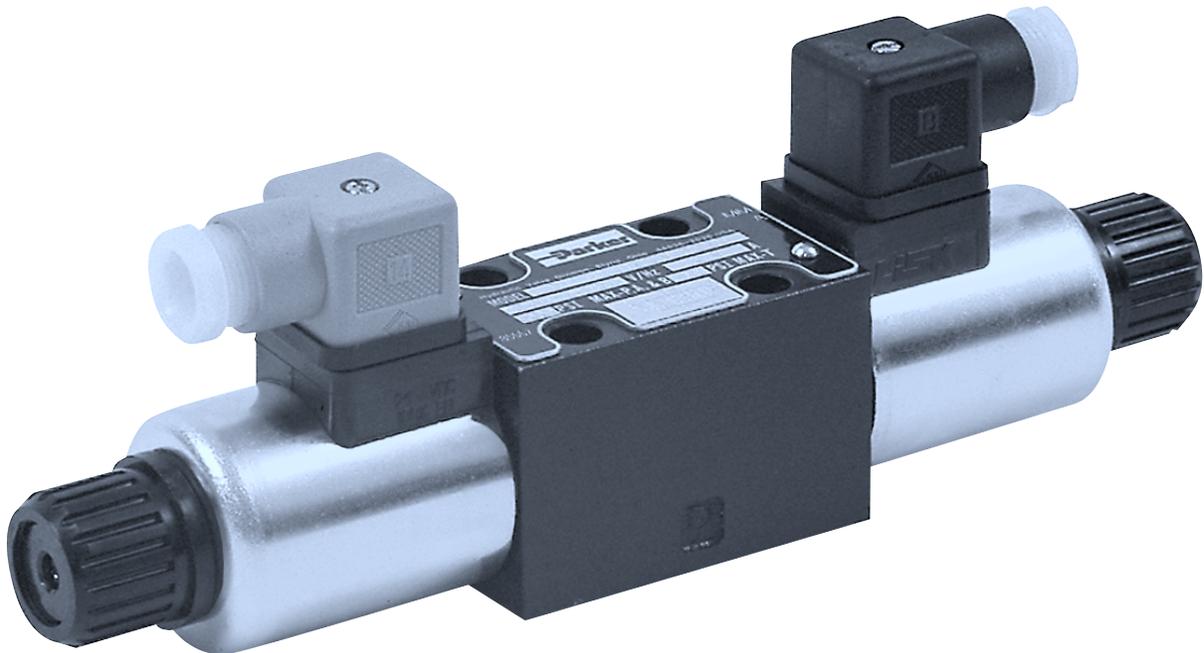




Bulletin HY14-2563-M1/US
Service Bulletin

Series D1FW Proportional Directional Control Valves

Effective: August 1, 2002
Supersedes: August 1, 1995





WARNING

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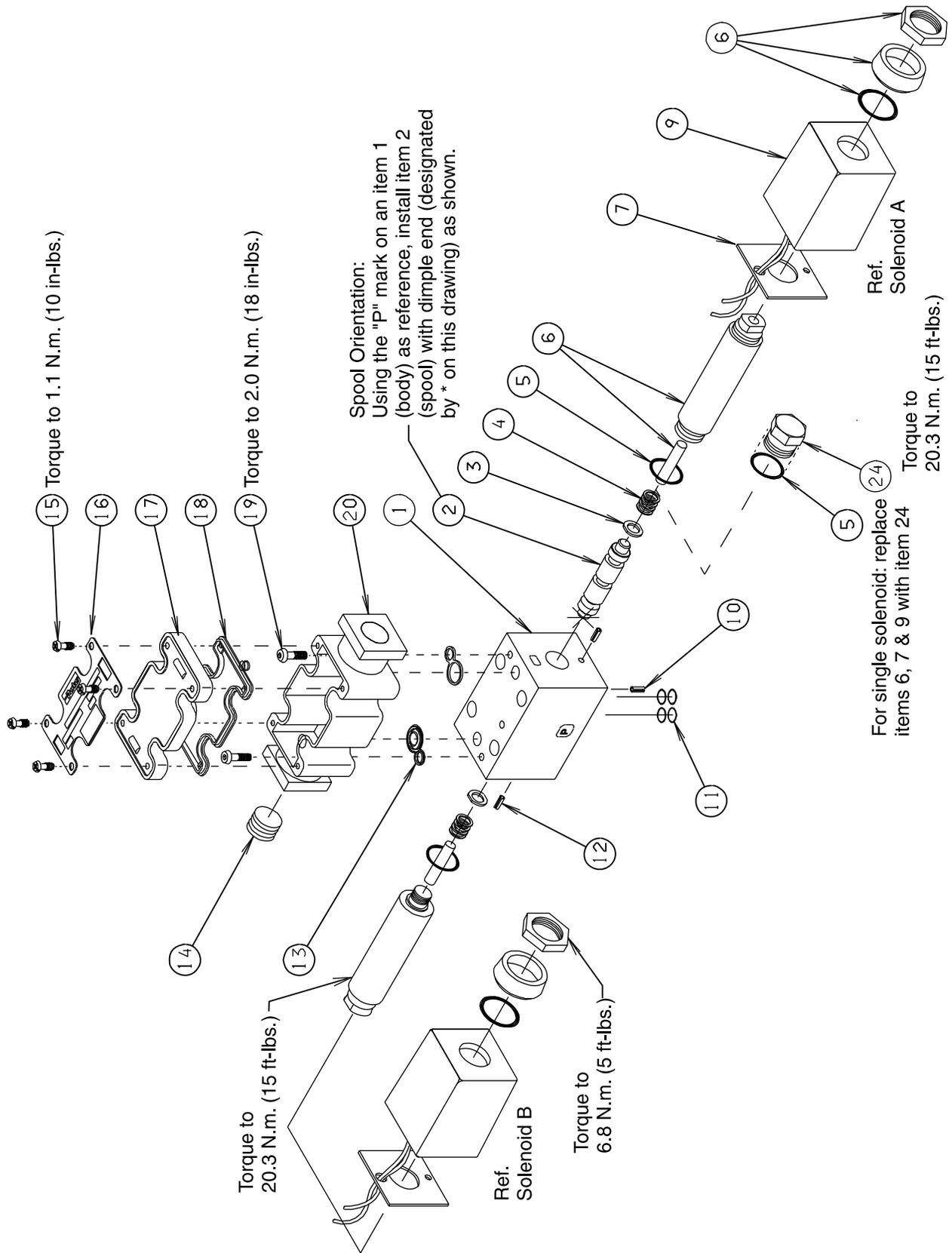
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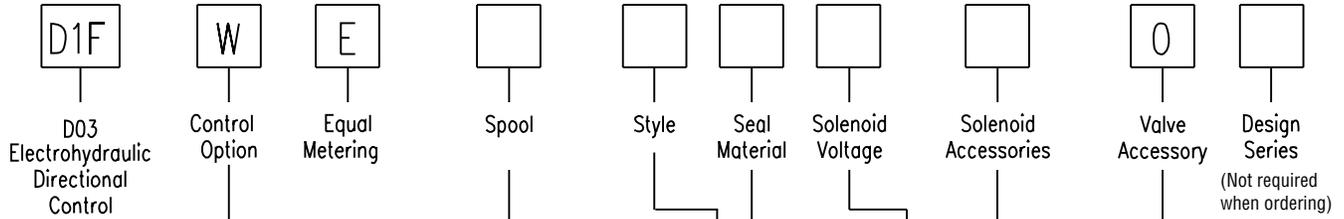
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D1FW Proportional Valve with Conduit Box



D1FW Proportional Valve with Conduit Box



Code	Description
W	Open Loop No LVDT

Code	Description
N	Nitrile
V	Fluorocarbon

Code	Description
0	Standard

Code	Description
C	Leadwires with conduit box
P	Hirschmann DIN 43650 with female plug
W	Hirschmann DIN 43650 without female plug

Code	Item	Part No.	Qty	Description	Symbols
81C	2	1210013	1	Low Flow Spool 20% Overlap	
81F	2	1210011	1	High Flow Spool 20% Overlap	
01C	2	1210086	1	Low Flow Spool 10% Overlap	
01F	2	1210085	1	High Flow Spool 10% Overlap	
82C	2	1210014	1	Low Flow w/ Bleed Spool 20% Overlap	
82F	2	1210012	1	High Flow w/ Bleed Spool 20% Overlap	
02C	2	1210096	1	Low Flow w/ Bleed Spool 10% Overlap	
02F	2	1210097	1	High Flow w/ Bleed Spool 10% Overlap	

Code	Item	Overmolded	Can Coils	Qty	Description
J	9	1210074	—	2*	24 VDC proportional solenoid coil
K	9	1210073	1210598	2*	12 VDC proportional solenoid coil
L	9	1210072	1210613	2*	6 VDC proportional solenoid coil
M	9	1210190	1210488	2*	9 VDC proportional solenoid coil

* Divided by 2 for "E" and "K" styles

Code	Item	Part No.	Qty	Description	Symbols
C	1	697467	1	Body	
	3	694558	2	Centering Washer	
	4	1210635	2	Centering Spring	
	5	3907○-9	2	O-Ring	
E	6	1210497-V	2*	Solenoid Tube Assy	
	7	1301704	2	Coil Gasket	
	8	692915	1	Plug - Gray "A"	
K	10	99 x 37	1	Roll Pin	
	11	2012○-9	4	O-Ring	
	12	99 x 36	2*	Roll Pin	
	13	697646	2	Bottom Seal	
	14	678800	1	Conduit Plug	
	15	1301067	4	Nameplate Screws	
	16	1300651	1	Nameplate	
	17	1300649-1	1	Conduit Box Cover	
	18	1300828	1	Top Seal	
	19	1301070	2	Conduit Box Screws	
	20	1300648	1	Conduit Box	
	21	692914	1	Plug - Black "B"	
	22	1300638	1	Nameplate	
	23	39 x 10	2	Drive Screws	
	24	692539	1	End Cap	

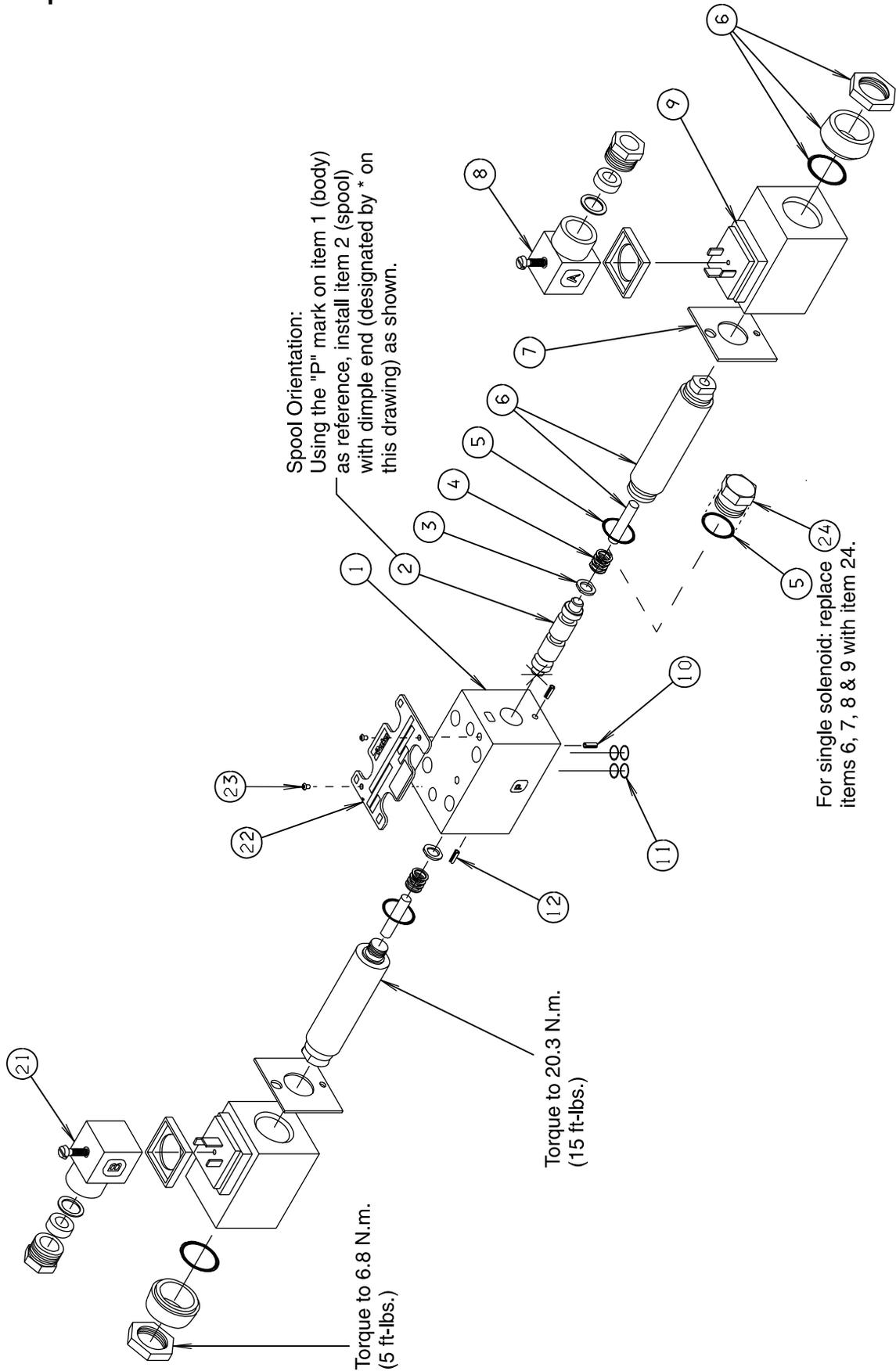
Accessories

Driver Cards	Power Supply
Model EWO0554 For 12 volt solenoids	15 to 30 VDC, regulated 2.5 amps (Parker #PS24)
Model EWO0555 For 12 volt solenoids	115 VAC, 0.5 amps
Model EWO0556 For 6 volt solenoids	10.5 to 30 VDC, regulated 5.0 amps (Parker #PS24)

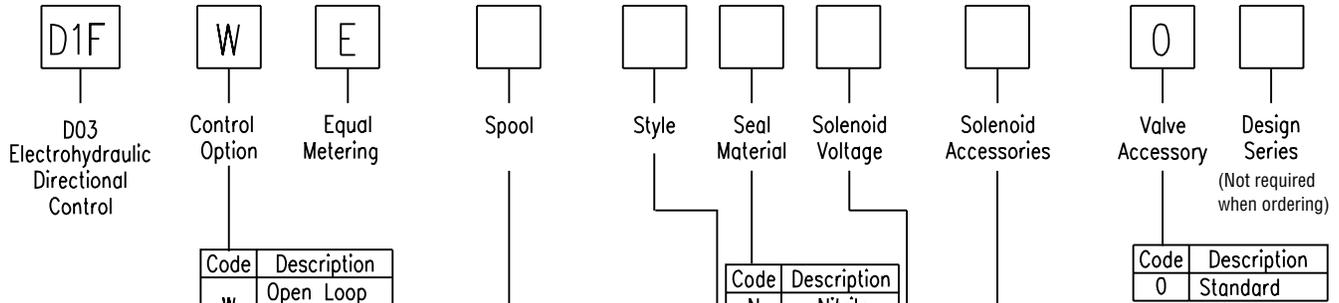
Weight: Double solenoid 15.1 lbs.
 Bolt Kit No.: BK98
 Mounting bolt torque: 16.1 N.m. (12 ft.-lbs.)

○ Denotes seal compound.
 * Divided by 2 for "E" and "K" styles

D1FW Proportional Valve with Hirschmann Connector



D1FW Proportional Valve with Hirschmann Connector



Code	Description
W	Open Loop No LVDT

Code	Description
N	Nitrile
V	Fluorocarbon

Code	Description
0	Standard

Code	Description
C	Leadwires with conduit box
P	Hirschmann DIN 43650 with female plug
W	Hirschmann DIN 43650 without female plug

Code	Item	Part No.	Qty	Description	Symbols
81C	2	1210013	1	Low Flow Spool 20% Overlap	
81F	2	1210011	1	High Flow Spool 20% Overlap	
01C	2	1210086	1	Low Flow Spool 10% Overlap	
01F	2	1210085	1	High Flow Spool 10% Overlap	
82C	2	1210014	1	Low Flow w/ Bleed Spool 20% Overlap	
82F	2	1210012	1	High Flow w/ Bleed Spool 20% Overlap	
02C	2	1210096	1	Low Flow w/ Bleed Spool 10% Overlap	
02F	2	1210097	1	High Flow w/ Bleed Spool 10% Overlap	

Code	Item	Overmolded	Can Coils	Qty	Description
J	9	1210095	1210603	2*	24 VDC proportional solenoid coil
K	9	1210088	1210602	2*	12 VDC proportional solenoid coil
L	9	1210087	1210600	2*	6 VDC proportional solenoid coil
M	9	1210378	1210601	2*	9 VDC proportional solenoid coil

* Divided by 2 for "E" and "K" styles

Code	Item	Part No.	Qty	Description	Symbols
C	1	697467	1	Body	
	3	694558	2	Centering Washer	
	4	1210635	2	Centering Spring	
	5	3907-9	2	O-Ring	
E	6	1210497-V	2*	Solenoid Tube Assy	
	7	1310704	2	Coil Gasket	
	8	692915	1	Plug - Gray "A"	
K	9	99 x 37	1	Roll Pin	
	10	2012-9	4	O-Ring	
	11	99 x 36	2*	Roll Pin	
	12	697646	2	Bottom Seal	
	13	678800	1	Conduit Plug	
	14	1301067	4	Nameplate Screws	
	15	1300651	1	Nameplate	
	16	1300649-1	1	Conduit Box Cover	
	17	1300828	1	Top Seal	
	18	1301070	2	Conduit Box Screws	
19	1300648	1	Conduit Box		
20	692914	1	Plug - Black "B"		
21	1300638	1	Nameplate		
22	39 x 10	2	Drive Screws		
23	692539	1	End Cap		
24					

⊖ Denotes seal compound.

* Divided by 2 for "E" and "K" styles

Accessories

Driver Cards	Power Supply
Model EW00554 For 12 volt solenoids	15 to 30 VDC, regulated 2.5 amps (Parker #PS24)
Model EW00555 For 12 volt solenoids	115 VAC, 0.5 amps
Model EW00556 For 6 volt solenoids	10.5 to 30 VDC, regulated 5.0 amps (Parker #PS24)

Weight: Double solenoid 15.1 lbs.

Bolt Kit No.: BK98

Mounting bolt torque: 16.1 N.m. (12 ft.-lbs.)



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1M, 8/02, PHD