

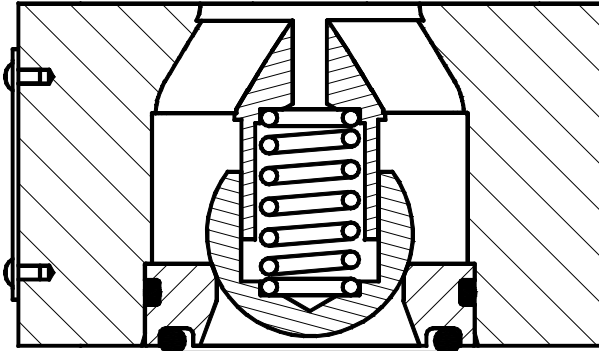
7. Check Valves

Series	Available Versions	Model	Size	Max. Flow	Max. Pressure	Subplate mounted	Threaded Body	Cartridge	SAE flange mounted	Page
				GPM	PSI					
C4V	• Direct operated • Pilot operated	C4V03	3/8"	48	5000	●	●	●		7 - 2
		C4V06	3/4"	95	5000	●	●	●		
		C4V10	1 1/4"	159	5000	●	●	●		
C5V	• Flange mounted • Direct operated • SAE-61 & 62	C5V06	3/4"	24	6000				●	7 - 4
		C5V08	1"	53	6000				●	
		C5V10	1 1/4"	106	6000				●	
		C5V12	1 1/2"	185	6000				●	
C5P	• Flange mounted • Direct operated • Pilot operated	C5P06	3/4"	24	5000				●	7 - 5
		C5P08	1"	79	5000				●	
		C5P10	1 1/4"	159	4000				●	



C5V Series

245-53-106-185 GPM - 6000 PSI
SAE-61 - SAE-62



Key Sheet Example : **C5V08-321-B1**

1. **C5V08-321-B1** Series

Size	3/4"	1"	1 1/4"	1 1/2"
Series	C5V06	C5V08	C5V10	C5V12

2. **C5V08-321-B1** Mounting

6000 psi, SAE-61	3
6000 psi, SAE-62	6

3. **C5V08-321-B1** Body

With face seal	1
With sense port (to use with R5U)	2
No face seal	3

4. **C5V08-321-B1** Spring

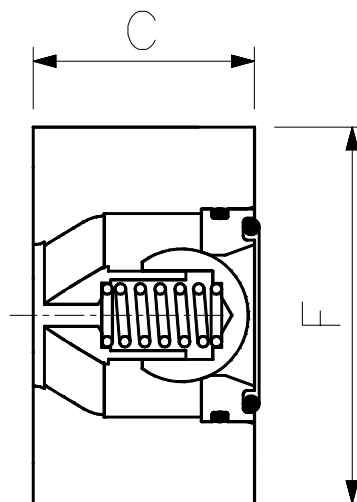
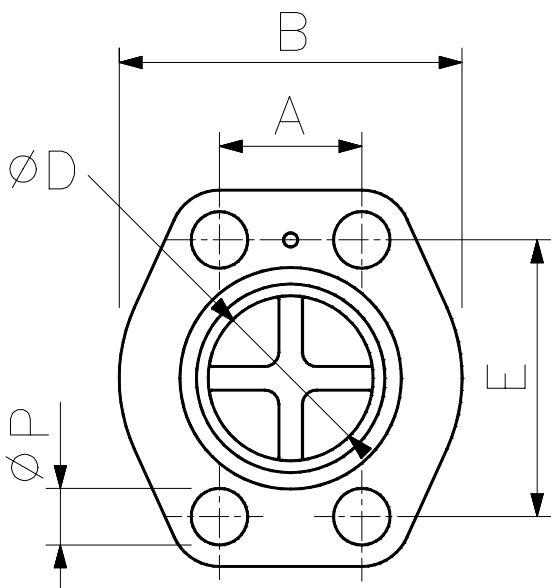
0.0 PSI	0
14.5 PSI (Standard)	1
29.0 PSI	2

5. **C5V08-321-B1** Design

6000 PSI	B
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6. **C5V08-321-B1** Seal Class

Buna N - Mineral oil	1
Others	Denison Hydraulics

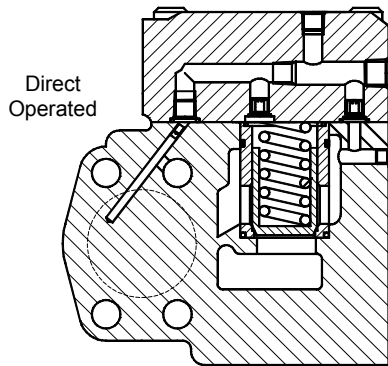


	C5V06	C5V08	C5V10	C5V12
	3/4"	1"	1 1/4"	1 1/2"
SAE-61				
A	0.87	1.03	1.19	1.41
B	1.89	2.36	2.68	3.15
C	1.77	1.77	1.97	1.97
D	0.75	0.98	1.26	1.50
E	1.87	2.06	2.31	2.75
F	2.52	2.91	3.35	4.09
P	0.41	0.41	0.49	0.53
SAE-62				
A	0.94	1.09	1.25	1.44
B	1.89	2.36	2.68	3.15
C	1.77	1.77	1.97	1.97
D	0.75	0.98	1.26	1.50
E	2.00	2.25	2.63	3.13
F	2.52	2.91	3.35	4.09
P	0.41	0.49	0.53	0.67



C5P Series

24-76-159 GPM - 4000/5000 PSI



Pilot operated ¹ : Example : C5P08-521-2-A1

1. **C5P06-521-2-A1** Series

Size	3/8"	1/4"	1 1/4"
Series	C5P06	C5P08	C5P10

2. **C5P06-521-2-A1** Body

Series	C5P06	C5P08	C5P10
Code	5	5	4

¹ Direct operated version : Denison Hydraulics

3. **C5P06-521-2-A1** Pilot port

Pilot port (Y1)	SAE-4	G 1/4"
Code	2	8

4. **C5P06-521-2-A1** Pilot Head

Pilot head opening ratio	1:1	3:1	8:1	10:1
Standard	1	3	8	9
End position Control (08/10 sizes)	E	F	G	H

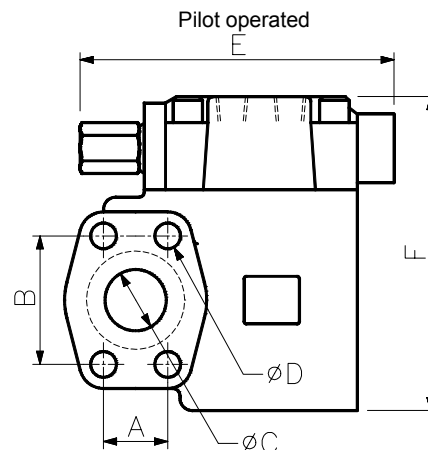
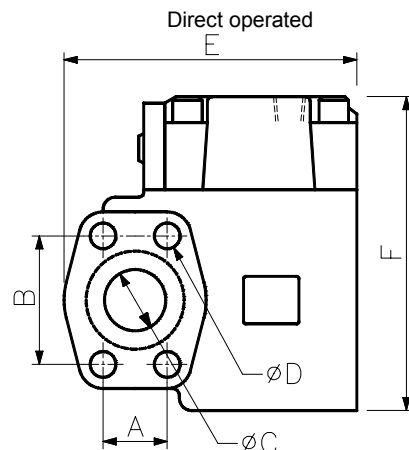
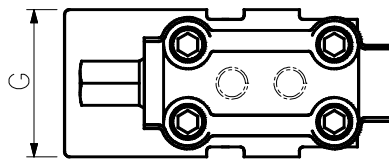
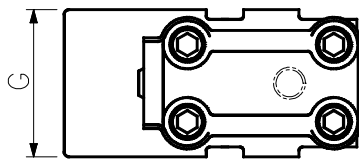
5. **C5P06-521-2-A1** Cracking pressure

		Code	2	4	6
A → B	C5P06	PSI	14.5	58.0	29.0
	C5P08, C5P10	PSI	14.5	50.8	31.9
B → A	C5P06	PSI	21.8	79.8	43.5
	C5P08, C5P10	PSI	24.7	87.0	55.1

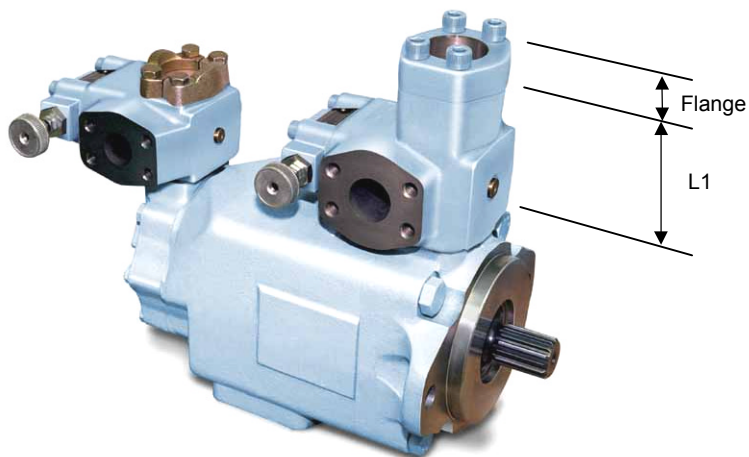
6. **C5P06-521-2-A1** Design

7. **C5P06-521-2-A1** Seal Class

Buna N - Mineral oil	1
Others	Denison Hydraulics



	C5P06	C5P08	C5P10
Direct operated			
A	0.87	1.03	1.19
B	1.87	2.06	2.31
C	0.75	0.98	1.26
D	0.41	0.41	0.47
E	3.97	4.74	5.04
F	5.02	5.26	5.77
G	2.36	2.36	2.95
Pilot operated			
A	0.87	1.03	1.19
B	1.87	2.06	2.31
C	0.75	0.98	1.26
D	0.41	0.41	0.47
E	5.39	5.39	5.39
F	5.02	5.26	5.77
G	2.36	2.36	2.95



Size		Assembly	L1	Screws (x 4)		Mounting Torque
				UNC	Metric (mm)	
		(C5V : B-design)	In.	Dimensions	Dimensions	In-lbs.
SAE 61	3/4"	C5V06	1.77	3/8"-16 x 3 3/4"	M10 x 80 10.9	250...350
		R5*06	2.36	3/8"-16 x 3 3/4"	M10 x 95 10.9	
		R5*06 + C5V06	4.13	3/8"-16 x 5 1/2"	M10 x 140 10.9	
		R5*06 + R6*06	4.72	3/8"-16 x 6"	M10 x 150 10.9	
	1"	C5V08	1.77	3/8"-16 x 3 3/4"	M10 x 85 10.9	330...420
		R5*08	2.36	3/8"-16 x 3 3/4"	M10 x 95 10.9	
		R5*08 + C5V08	4.13	3/8"-16 x 5 3/4"	M10 x 145 10.9	
		R5*08 + R5*08	4.72	3/8"-16 x 6 1/4"	M10 x 160 10.9	
	1 1/4"	C5V10	1.97	7/16"-14 x 3 1/2"	M12 x 90 10.9	420...550
		R5*10	2.95	7/16"-14 x 4 1/2"	M12 x 115 10.9	
		R5*10 + C5V10	4.92	7/16"-14 x 6 1/2"	M12 x 170 10.9	
		R5*10 + R5*10	5.91	7/16"-14 x 7 1/2"	M12 x 190 10.9	
	1 1/2"	C5V12	1.97	1/2"-13 x 3 3/4"	M12 x 90 10.9	550...620
		R5*12	3.15	1/2"-13 x 5"	M12 x 130 10.9	
		R5*12 + C5V12	5.12	1/2"-13 x 6 1/4"	M12 x 170 10.9	
		R5*12 + R5*12	6.30	1/2"-13 x 6 1/4"	M12 x 200 10.9	
SAE 62	1 1/2"	C5V12	1.97	5/8"-11 x 4"	M16 x 100 12.9	1400...1600
		R5*12-6	3.15	5/8"-11 x 5 1/4"	M16 x 135 12.9	
		R5*12-6 + C5V12	5.12	5/8"-11 x 7"	M16 x 180 12.9	