

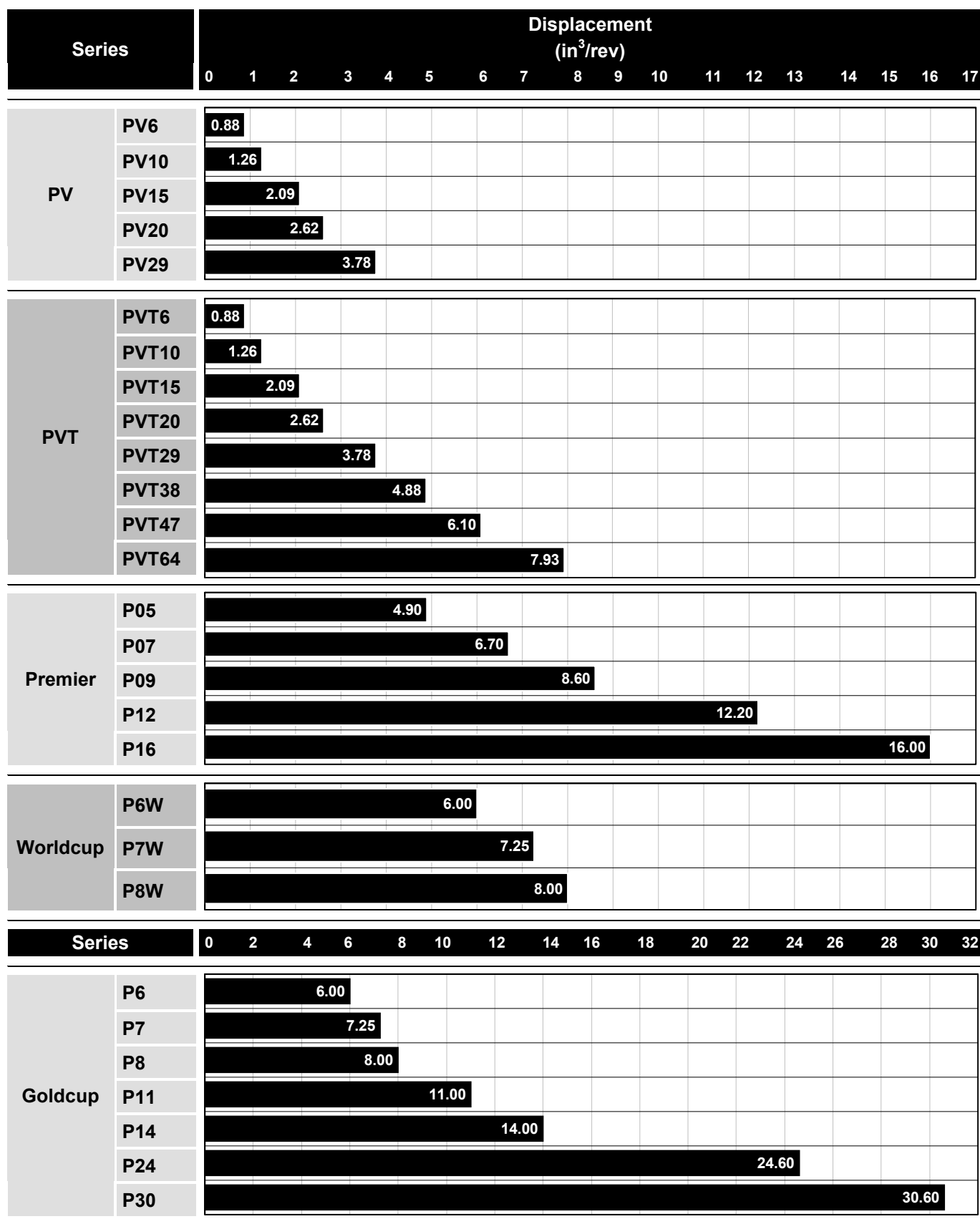
1. Axial Piston Pumps

Series	Model	Maximum Operating Pressure	Maximum Displacement	Remarks	Page
		PSI	ln ³ /rev		
PV & PVM	PV6	4500	0.88	• Threaded rear ports. • PV : Industrial • PVM : Mobile (high speed)	1 - 4
	PV10	4500	1.26		
	PV15	4500	2.09		
	PV20, PVM20 ¹	4500	2.62		
	PV29	4000	3.78		
PVT & PVR	PVT6	4500	0.88	• Open loop. • Side ports, SAE 4 bolts. • Optional rear drive. • PVT : Industrial • PVR : Mobile (high speed)	1 - 6
	PVT10	4500	1.26		
	PVT15	4500	2.09		
	PVT20, PVR20 ¹	4500	2.62		
	PVT29	4000	3.78		
	PVT38	4350	4.88		
	PVT47	4350	6.10		
	PVT64	4350	7.93		
Premier	P05	7200	4.90	• Open loop. • Metric dimensions. • Optional rear drive (full torque capability).	1 - 10
	P07	7200	6.70		
	P09	7200	8.60		
	P12	7200	12.20		
	P16	7200	16.00		
Worldcup	P6W	6000	6.00	• Open loop. • Optional rear drive.	1 - 14
	P7W	6000	7.25		
	P8W	4500	8.00		
Goldcup	P6	6000	6.00	• Transmission pumps. • Integrated package. • Optional rear drive (full torque capability). • Other versions² available.	1 - 16
	P7	6000	7.25		
	P8	4500	8.00		
	P11	6000	11.00		
	P14	6000	14.00		
	P24	5000	24.60		
	P30	5000	30.60		

¹ Higher speed capability : consult Denison Hydraulics.

² Open loop (P6V, P7V, P11V, P14V) : consult Denison Hydraulics.
Fixed displacement (P6F, P7F, P8F) : consult Denison Hydraulics.

Axial Piston Pumps - Product Range Overview

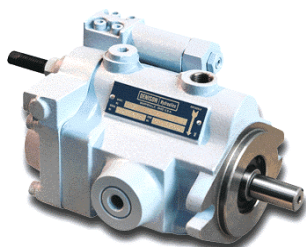


Size	Maximum Pressure ¹			Maximum speed ² <i>rpm</i>	Weight <i>lbs.</i>	Mounting	Page
	Intermittent	Continuous	Case				
	<i>PSI</i>	<i>PSI</i>	<i>PSI</i>				
PV6	4500	3500	10	3000	24	SAE-A - 2 bolts	1 - 4
PV10	4500	3500	10	2800	35	SAE-B - 2 bolts	
PV15	4500	3500	10	2500	44	SAE-B - 2 bolts	
PV20	4500	3500	10	2300 ³	57	SAE-C - 2 bolts	
PV29	4000	3000	10	2300	73	SAE-C - 2 bolts	
PVT6	4500	3500	10	3000	31	SAE-A - 2 bolts	1 - 6
PVT10	4500	3500	10	2800	44	SAE-B - 2 bolts	
PVT15	4500	3500	10	2500	55	SAE-B - 2 bolts	
PVT20	4500	3500	10	2300 ³	71	SAE-C - 2 bolts	
PVT29	4000	3000	10	2300	93	SAE-C - 2 bolts	
PVT38	4300	4000	7	1800	110	SAE-C - 4 bolts	
PVT47	4300	4000	7	1800	157	SAE-C - 4 bolts	
PVT64	4300	4000	7	1800	209	SAE-D - 4 bolts	
P05	7200	6000	25	2550	157	SAE-D - 4 bolts	1 - 10
P07	7200	6000	25	2450	176	SAE-D - 4 bolts	
P09	7200	6000	25	2300	221	SAE-D - 4 bolts	
P12	7200	6000	25	2100	300	SAE-E - 4 bolts	
P16	7200	6000	25	1850	324	SAE-E - 4 bolts	
P6W	6000	5000	25	2050	179	SAE-D - 4 bolts	1 - 14
P7W	6000	5000	25	1950	179	SAE-D - 4 bolts	
P8W	4500	4500	25	1800	179	SAE-D - 4 bolts	
Size	PSI	PSI	PSI	rpm	Lbs.	Mounting	Page
P6	6090	5000	75	3000	154	SAE-C - 2 bolts, SAE-D - 4 bolts	1 - 16
P7	6090	5000	75	3000	154	SAE-C - 2 bolts, SAE-D - 4 bolts	
P8	4500	3600	75	2100	154	SAE-C - 2 bolts, SAE-D - 4 bolts	
P11	6000	5000	75	2400	300	SAE-E - 4 bolts	
P14	6000	5000	75	2400	300	SAE-E - 4 bolts	
P24	5000	5000	75	2100	650	SAE-F - 4 bolts	
P30	5000	5000	75	1800	670	SAE-F - 4 bolts	

¹ For use with mineral oil. Other fluids, consult Denison Hydraulics.

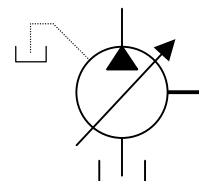
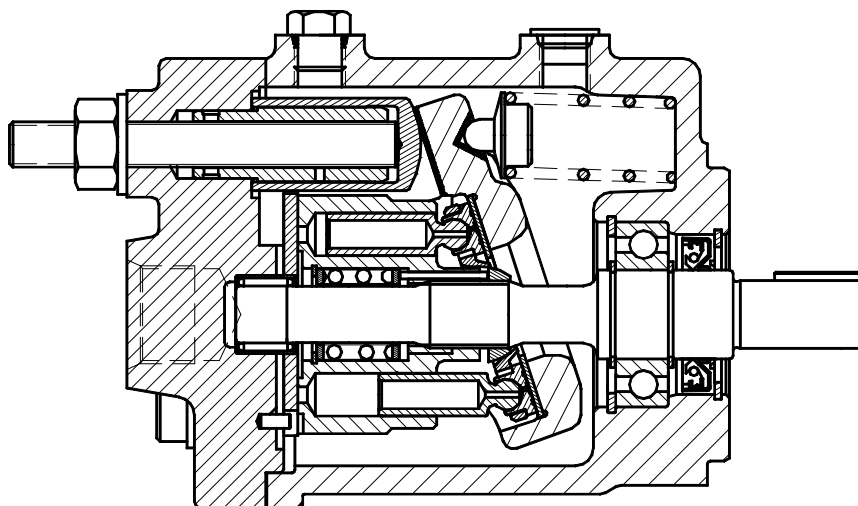
² At atmospheric inlet pressure (15 PSI absolute). For higher speed operation, consult Denison Hydraulics.

³ PVM20, PVR20 : 2600 rpm.



PV Series - Open Loop Piston Pumps

PV6 - 0.88 in³/rev, 4500 PSI
PV10 - 1.26 in³/rev, 4500 PSI
PV15 - 2.09 in³/rev, 4500 PSI
PV20 - 2.62 in³/rev, 4500 PSI
PV29 - 3.78 in³/rev, 4000 PSI



Key Sheet Example : **PV20-1R1D-F00**

1. **PV20-1R1D-F00** Series

in ³ /rev	0.88	1.26	2.09	2.62	3.78
Industrial	PV6	PV10	PV15	PV20 ¹⁾	PV29

¹⁾ Mobile version : PVM20 (consult Denison Hydraulics)

2. **PV20-1R1D-F00** Shaft

Key shaft	2
Splined shaft	1

3. **PV20-1R1D-F00** Rotation

CW : inlet in A, outlet in B	R
CCW : inlet in B, outlet in A	L

4. **PV20-1R1D-F00** Seal Class

Buna N : mineral oil	1
Viton : mineral oil & fire resistant fluid	5

5. **PV20-1R1D-F00** Design

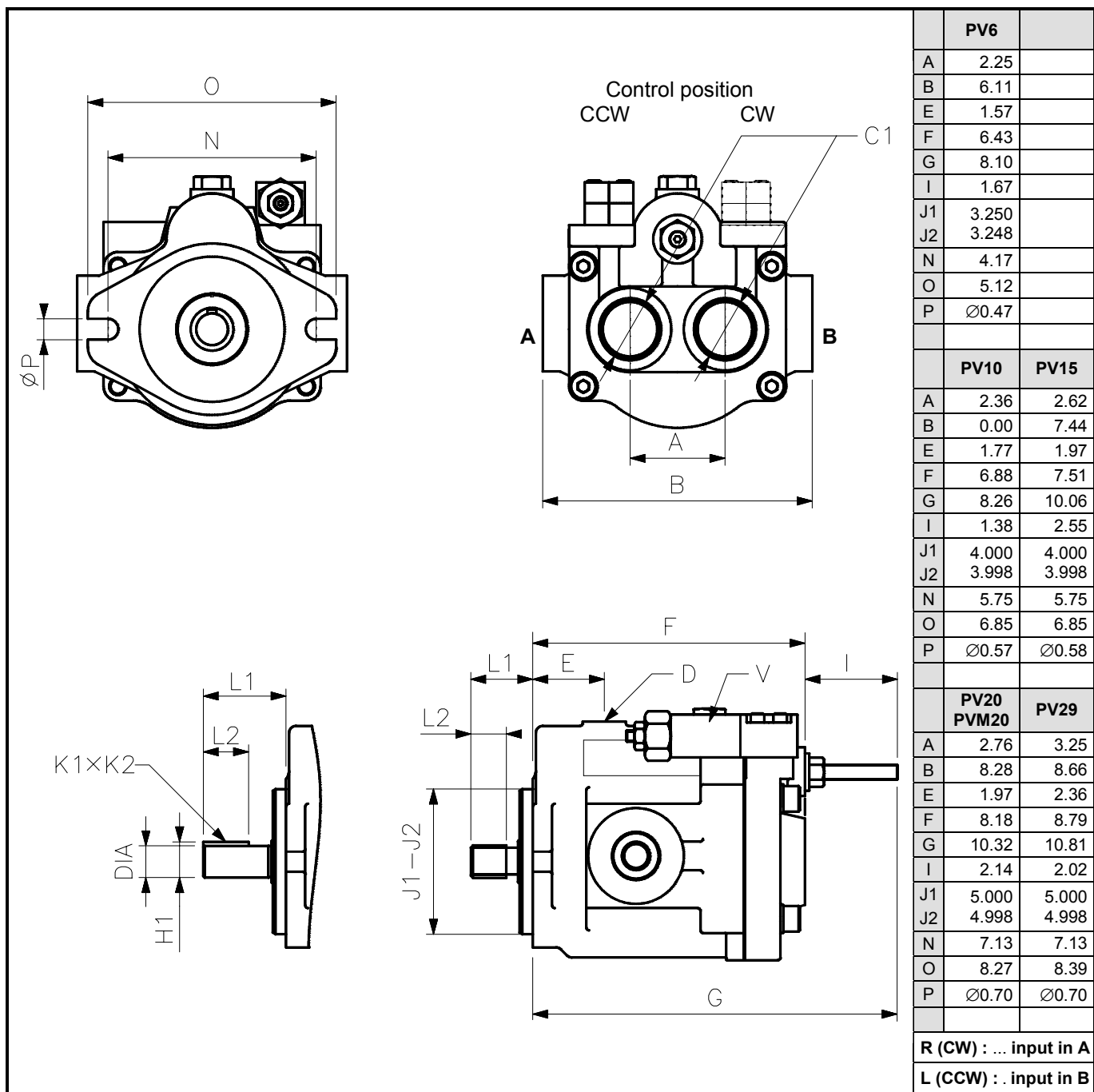
6. **PV20-1R1D-F00** Control

7. **PV20-1R1D-F00** Ports

SAE threads	00
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Controls (PV20-1R1D-F00)

C Compensator	F Remote Control Compensator	L Load Sensing	J / K Torque Limiter		
Minimum setting : 130 PSI	Minimum setting : 145 PSI Pilot port : V	Minimum setting : 250 PSI Differential pressure : 250 - 400 PSI Pilot port : V	In-lbs.	J	K
			PV6	88	274
			PV10	257	407
			PV15	407	619
			PV20	531	725
			PV29	681	1044
				2053	2655



Shafts		Availability & Torque limits (in-lbs.)					Dimensions				
		PV6	PV10	PV15	PV20 PVM20	PV29	L1	L2	DIA	K1 x K2	H1
2	Keyed SAE-A	1124					1.79	1.00	0.750 - 0.749	0.188 x 0.187	0.83
	Keyed SAE-B		1673	1673			2.33	1.25	22.230 - 22.200	0.251 x 0.250	0.99
	Keyed SAE-C				4673	4877	2.30	1.25	31.750 - 31.700	0.313 x 0.312	1.39
1	Splined SAE-B	2018					1.59	0.98	Class 5-J498c, 16/32 d.p. - 13 teeth		
	Splined SAE-B		2549	2177			1.74	0.98	Class 5-J498c, 16/32 d.p. - 13 teeth		
	Splined SAE-C				4673	6293	2.16	1.10	Class 5-J498c, 12/24 d.p. - 14 teeth		

Ports	SAE ports (option 00)			BSPP ports (option 02)		
	A & B (C1)	Drain - D	Vent - V	A & B (C1)	Drain - D	Vent - V
PV6	SAE-12	SAE-8	SAE-4	3/4"	1/2"	1/4"
PV10, PV15	SAE-20	SAE-10	SAE-4	1 1/4"	3/4"	1/4"
PV20, PVM20, PV29	SAE-20	SAE-12	SAE-4	1 1/4"	1"	1/4"