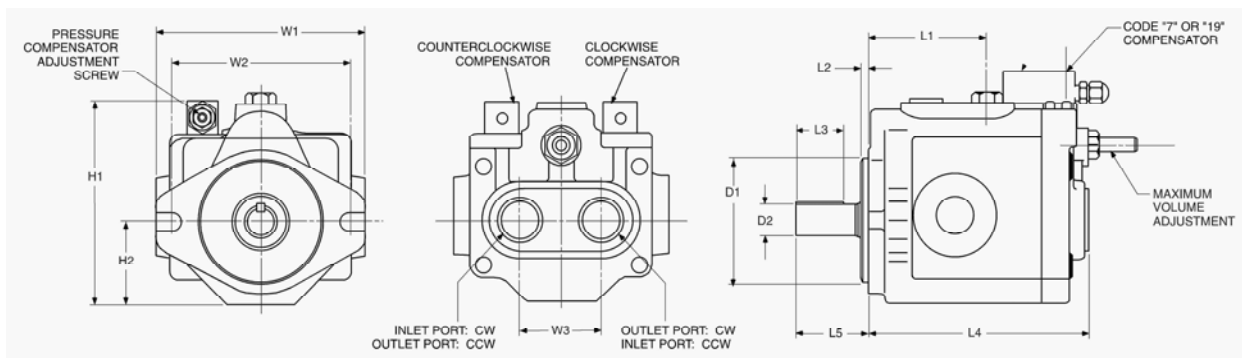




# HPV SERIES AXIAL PISTON PUMPS

Replace your Denison PV series pumps with our Continental Hydraulics HPV PowerFlow series piston pump. Output flow sizes are equal to the Denison offering and include 6, 10, 15, 20 and 29 US gallons per minute sizes @ 1750 RPM. Four standard HPV series control options provide you with the flexibility of matching Denison's offering.

- Pressure Compensated
- Load Sensing Compensator
- Remote Compensator
- Horsepower Limiting Compensator



Preliminary guide for comparison purposes:- HPV29 Continental to PV29 Denison

	Dimensions in inches											Port Detail		
	L1	L2	L3	L4	L5	W1	W2	W3	H1	H2	D1	D2	In/Out	Fill/Drain
<b>Continental HPV-29</b>	4.82	0.375	1.25	8.79	2.32	8.66	7.13	3.25	8.29	3.34	5	1.25	BSP 1.25	3/4" BSP
<b>Denison PV29</b>	4.86	0.375	1.25	8.79	2.32	9.04	7.13	3.25	8.29	3.34	5	1.25	BSP 1.25	3/4" BSP

Denison Model	Continental Equivalent	Notes
PV6-2R1*C02-000	HPV-6B35-RF-O-2R-B	Case drain on PV6 is 1/2" BSP, On HPV6 is 1/2" BSP
PV6-2R1*F02-000	HPV-6B35-RF-O-2R7-B	Case drain on PV6 is 1/2" BSP, On HPV6 is 1/2" BSP
PV6-2R1*L02-000	HPV-6B35-RF-O-2R19-B	Case drain on PV6 is 1/2" BSP, On HPV6 is 1/2" BSP
PV6-2R1*T02-000	HPV-6B35-RF-O-2R26-B	Case drain on PV6 is 1/2" BSP, On HPV6 is 1/2" BSP
PV10-2R1*C02-000	HPV-10B35-RF-O-2R-C	Case drain on PV10 is 1/2" BSP, On HPV10 is 1/2" BSP
PV10-2R1*F02-000	HPV-10B35-RF-O-2R7-C	Case drain on PV10 is 1/2" BSP, On HPV10 is 1/2" BSP
PV10-2R1*L02-000	HPV-10B35-RF-O-2R19-C	Case drain on PV10 is 1/2" BSP, On HPV10 is 1/2" BSP
PV10-2R1*T02-000	HPV-10B35-RF-O-2R26-C	Case drain on PV10 is 1/2" BSP, On HPV10 is 1/2" BSP
PV15-2R1*C02-000	HPV-15B35-RF-O-2R-B	Case drain on PV15 is 1/2" BSP, On HPV15 is 1/2" BSP
PV15-2R1*F02-000	HPV-15B35-RF-O-2R7-B	Case drain on PV15 is 1/2" BSP, On HPV15 is 1/2" BSP
PV15-2R1*L02-000	HPV-15B35-RF-O-2R19-B	Case drain on PV15 is 1/2" BSP, On HPV15 is 1/2" BSP
PV15-2R1*T02-000	HPV-15B35-RF-O-2R26-B	Case drain on PV15 is 1/2" BSP, On HPV15 is 1/2" BSP
PV20-2R1*C02-000	HPV-20B35-RF-O-2R-B	Case drain on PV20 is 3/4" BSP, On HPV20 is 3/4" BSP
PV20-2R1*F02-000	HPV-20B35-RF-O-2R7-B	Case drain on PV20 is 3/4" BSP, On HPV20 is 3/4" BSP
PV20-2R1*L02-000	HPV-20B35-RF-O-2R19-B	Case drain on PV20 is 3/4" BSP, On HPV20 is 3/4" BSP
PV20-2R1*T02-000	HPV-20B35-RF-O-2R26-B	Case drain on PV20 is 3/4" BSP, On HPV20 is 3/4" BSP
PV29-2R1*C02-000	HPV-29B30-RF-O-2R-B	Case drain on PV29 is 3/4" BSP, On HPV29 is 3/4" BSP
PV29-2R1*F02-000	HPV-29B30-RF-O-2R7-B	Case drain on PV29 is 3/4" BSP, On HPV29 is 3/4" BSP
PV29-2R1*L02-000	HPV-29B30-RF-O-2R19-B	Case drain on PV29 is 3/4" BSP, On HPV29 is 3/4" BSP
PV29-2R1*T02-000	HPV-29B30-RF-O-2R26-B	Case drain on PV29 is 3/4" BSP, On HPV29 is 3/4" BSP

For more information visit:- [www.continentalhydraulics.co.uk](http://www.continentalhydraulics.co.uk)

## HPV Series Variable Volume, Pressure Compensated Piston Pumps

MODEL			HPV6	HPV10	HPV15	HPV20	HPV29
Volumetric		Cu.in./rev.	0.88	1.26	2.09	2.62	3.78
Displacement		ml./rev/	14.4	21.1	34.2	42.9	61.9
Pump Delivery @ 1750 RPM	Theoretical	GPM LPM	6.67 25.20	9.55 36.08	15.83 59.85	19.85 75.03	28.64 108.25
Maximum Operating Pressures	Intermittent*	PSI Bar	4000 276	4000 276	4000 276	4000 276	4000 241
	Continuous	PSI Bar	3500 241	3500 241	3500 241	3500 241	3500 207
	Minimum	PSI	200	200	200	200	200
		Bar	14	14	14	14	14
Noise (readings taken @ 3000 psi)	Full Flow @ 1750 RPM	dBA	72	74	77	78	82
	Full Flow @ 1500 RPM	dBA	70	71	76	76	77
	Deadhead @ 1759 RPM	dBA	70	68	72	72	77
	Deadhead @ 1500 RPM	dBA	67	67	71	71	74
Operating Speeds	Maximum	RPM	3000***	3000***	2500***	2400***	2400***
	Rated	RPM	1750	1750	1750	1750	1750
	Minimum	RPM	500	500	500	500	500
Power Input at Rated Flow and Pressure	1750 RPM	Horsepower	15	23	34	47	64
		Kilowatts	11	17	25	35	48
Mounting Flange	Keyed Shaft	SAE Type	"A" 2-Bolt "A/B" 2-Bolt**	"B" 2-Bolt "B" 2-Bolt	"B" 2-Bolt "B" 2-Bolt	"C" 2-Bolt "C" 2-Bolt	"C" 2-Bolt "C" 2-Bolt
Shipping Weight	Pounds	24	36	43	57	73	
	Kilograms	11	16	20	26	33	

\* 10% duty cycle, not to exceed 6 consecutive seconds

\*\* "A" size pilot, with a "B" size shaft

\*\*\* See catalogue for minimum inlet pressures for operation at speeds higher than 1750 RPM

### Exclusive 3 Year Warranty

Continental Hydraulics Division warrants all piston pumps supplied by Continental Hydraulics against defects in material and workmanship under normal use and service for three years from the date of shipment.

This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, use of improper fluid or use of materials not of Continental Hydraulics manufacture or supply.



### Zeus HydraTech Limited

Sole official UK distributor

Tel: UK 08450 043440

Tel: Int 44 87006 84056

Mob: 07963 905296

Email: [carl@zeushydratech.com](mailto:carl@zeushydratech.com)

Web: [www.zeushydratech.com](http://www.zeushydratech.com)

Web: [www.continentalhydraulics.co.uk](http://www.continentalhydraulics.co.uk)

