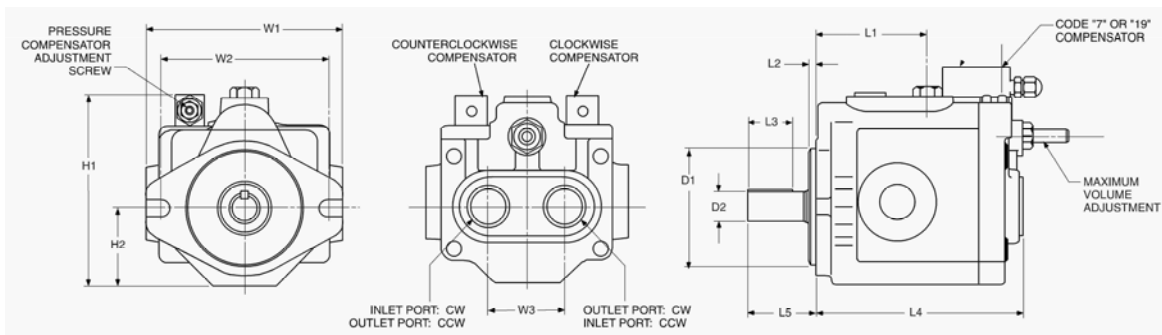




HPV SERIES AXIAL PISTON PUMPS

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 |
| Continental HPV-29 | 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 | SAE-12 |
| Denison PV29 | 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 | SAE-8 |

| 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 SAE-8 |
| PV6-2R1*F02-000 | HPV-6B35-RF-O-2R7-B | Case drain on PV6 is 1/2" BSP, On HPV6 is SAE-8 |
| PV6-2R1*L02-000 | HPV-6B35-RF-O-2R19-B | Case drain on PV6 is 1/2" BSP, On HPV6 is SAE-8 |
| PV6-2R1*T02-000 | HPV-6B35-RF-O-2R26-B | Case drain on PV6 is 1/2" BSP, On HPV6 is SAE-8 |
| PV10-2R1*C02-000 | HPV-10B35-RF-O-2R-C | Case drain on PV10 is 1/2" BSP, On HPV10 is SAE-10 |
| PV10-2R1*F02-000 | HPV-10B35-RF-O-2R7-C | Case drain on PV10 is 1/2" BSP, On HPV10 is SAE-10 |
| PV10-2R1*L02-000 | HPV-10B35-RF-O-2R19-C | Case drain on PV10 is 1/2" BSP, On HPV10 is SAE-10 |
| PV10-2R1*T02-000 | HPV-10B35-RF-O-2R26-C | Case drain on PV10 is 1/2" BSP, On HPV10 is SAE-10 |
| PV15-2R1*C02-000 | HPV-15B35-RF-O-2R-B | Case drain on PV15 is 1/2" BSP, On HPV15 is SAE-10 |
| PV15-2R1*F02-000 | HPV-15B35-RF-O-2R7-B | Case drain on PV15 is 1/2" BSP, On HPV15 is SAE-10 |
| PV15-2R1*L02-000 | HPV-15B35-RF-O-2R19-B | Case drain on PV15 is 1/2" BSP, On HPV15 is SAE-10 |
| PV15-2R1*T02-000 | HPV-15B35-RF-O-2R26-B | Case drain on PV15 is 1/2" BSP, On HPV15 is SAE-10 |
| PV20-2R1*C02-000 | HPV-20B35-RF-O-2R-B | Case drain on PV20 is 3/4" BSP, On HPV20 is SAE-12 |
| PV20-2R1*F02-000 | HPV-20B35-RF-O-2R7-B | Case drain on PV20 is 3/4" BSP, On HPV20 is SAE-12 |
| PV20-2R1*L02-000 | HPV-20B35-RF-O-2R19-B | Case drain on PV20 is 3/4" BSP, On HPV20 is SAE-12 |
| PV20-2R1*T02-000 | HPV-20B35-RF-O-2R26-B | Case drain on PV20 is 3/4" BSP, On HPV20 is SAE-12 |
| PV29-2R1*C02-000 | HPV-29B30-RF-O-2R-B | Case drain on PV29 is 3/4" BSP, On HPV29 is SAE-12 |
| PV29-2R1*F02-000 | HPV-29B30-RF-O-2R7-B | Case drain on PV29 is 3/4" BSP, On HPV29 is SAE-12 |
| PV29-2R1*L02-000 | HPV-29B30-RF-O-2R19-B | Case drain on PV29 is 3/4" BSP, On HPV29 is SAE-12 |
| PV29-2R1*T02-000 | HPV-29B30-RF-O-2R26-B | Case drain on PV29 is 3/4" BSP, On HPV29 is SAE-12 |

For more information visit:- www.zeushydratech.com

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.



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