

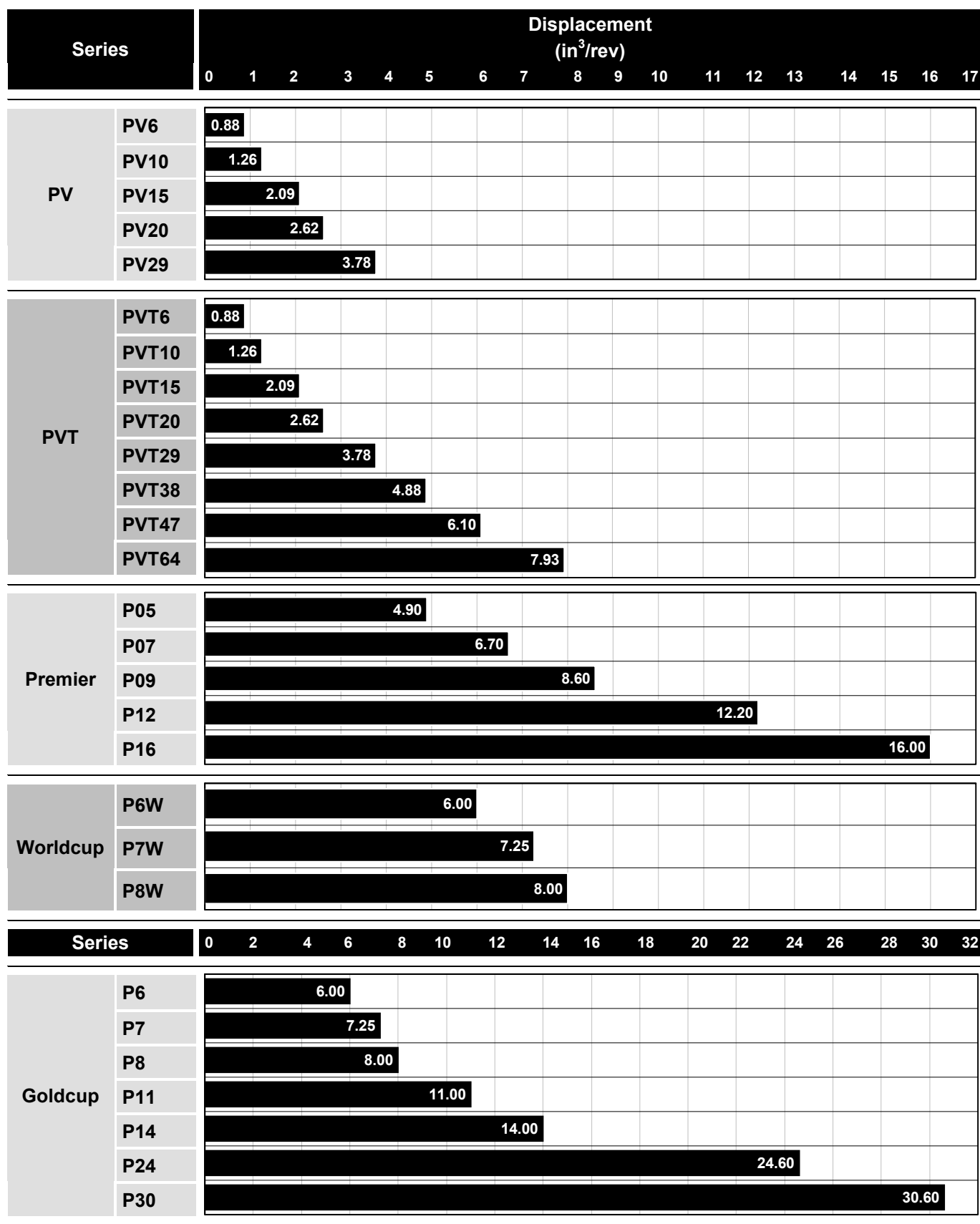
# 1. Axial Piston Pumps

| Series    | Model                     | Maximum Operating Pressure | Maximum Displacement | Remarks                                                                                                                                                                                                          | Page   |
|-----------|---------------------------|----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|           |                           | PSI                        | ln <sup>3</sup> /rev |                                                                                                                                                                                                                  |        |
| PV & PVM  | PV6                       | 4500                       | 0.88                 | <ul style="list-style-type: none"> <li>• Threaded rear ports.</li> <li>• PV : Industrial</li> <li>• PVM : Mobile (high speed)</li> </ul>                                                                         | 1 - 4  |
|           | PV10                      | 4500                       | 1.26                 |                                                                                                                                                                                                                  |        |
|           | PV15                      | 4500                       | 2.09                 |                                                                                                                                                                                                                  |        |
|           | PV20, PVM20 <sup>1</sup>  | 4500                       | 2.62                 |                                                                                                                                                                                                                  |        |
|           | PV29                      | 4000                       | 3.78                 |                                                                                                                                                                                                                  |        |
| PVT & PVR | PVT6                      | 4500                       | 0.88                 | <ul style="list-style-type: none"> <li>• Open loop.</li> <li>• Side ports, SAE 4 bolts.</li> <li>• Optional rear drive.</li> <li>• PVT : Industrial</li> <li>• PVR : Mobile (high speed)</li> </ul>              | 1 - 6  |
|           | PVT10                     | 4500                       | 1.26                 |                                                                                                                                                                                                                  |        |
|           | PVT15                     | 4500                       | 2.09                 |                                                                                                                                                                                                                  |        |
|           | PVT20, PVR20 <sup>1</sup> | 4500                       | 2.62                 |                                                                                                                                                                                                                  |        |
|           | PVT29                     | 4000                       | 3.78                 |                                                                                                                                                                                                                  |        |
|           | PVT38                     | 4350                       | 4.88                 |                                                                                                                                                                                                                  |        |
|           | PVT47                     | 4350                       | 6.10                 |                                                                                                                                                                                                                  |        |
|           | PVT64                     | 4350                       | 7.93                 |                                                                                                                                                                                                                  |        |
| Premier   | P05                       | 7200                       | 4.90                 | <ul style="list-style-type: none"> <li>• Open loop.</li> <li>• Metric dimensions.</li> <li>• Optional rear drive (full torque capability).</li> </ul>                                                            | 1 - 10 |
|           | P07                       | 7200                       | 6.70                 |                                                                                                                                                                                                                  |        |
|           | P09                       | 7200                       | 8.60                 |                                                                                                                                                                                                                  |        |
|           | P12                       | 7200                       | 12.20                |                                                                                                                                                                                                                  |        |
|           | P16                       | 7200                       | 16.00                |                                                                                                                                                                                                                  |        |
| Worldcup  | P6W                       | 6000                       | 6.00                 | <ul style="list-style-type: none"> <li>• Open loop.</li> <li>• Optional rear drive.</li> </ul>                                                                                                                   | 1 - 14 |
|           | P7W                       | 6000                       | 7.25                 |                                                                                                                                                                                                                  |        |
|           | P8W                       | 4500                       | 8.00                 |                                                                                                                                                                                                                  |        |
| Goldcup   | P6                        | 6000                       | 6.00                 | <ul style="list-style-type: none"> <li>• Transmission pumps.</li> <li>• Integrated package.</li> <li>• Optional rear drive (full torque capability).</li> <li>• Other versions<sup>2</sup> available.</li> </ul> | 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                |                                                                                                                                                                                                                  |        |

<sup>1</sup> Higher speed capability : consult Denison Hydraulics.

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

# Axial Piston Pumps - Product Range Overview

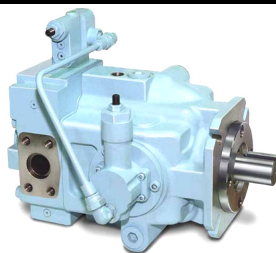
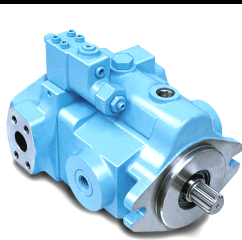


| Size  | Maximum Pressure <sup>1</sup> |            |            | Maximum speed <sup>2</sup><br><i>rpm</i> | Weight<br><i>lbs.</i> | Mounting                         | Page   |
|-------|-------------------------------|------------|------------|------------------------------------------|-----------------------|----------------------------------|--------|
|       | 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 <sup>3</sup>                        | 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 <sup>3</sup>                        | 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                  |        |

<sup>1</sup> For use with mineral oil. Other fluids, consult Denison Hydraulics.

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

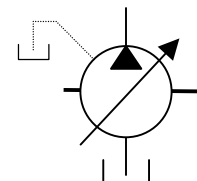
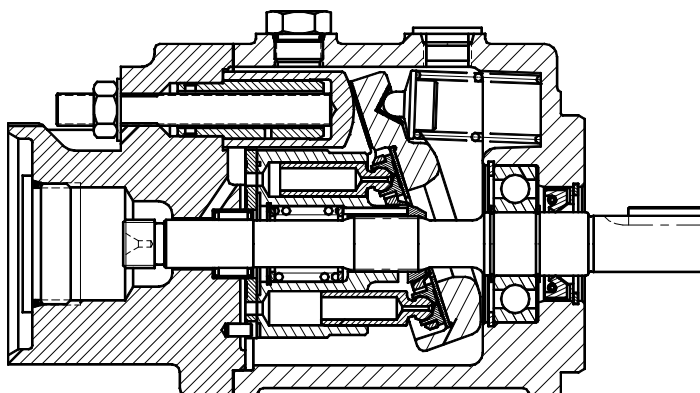
<sup>3</sup> PVM20, PVR20 : 2600 rpm.



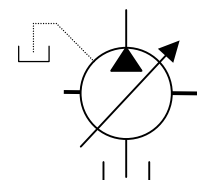
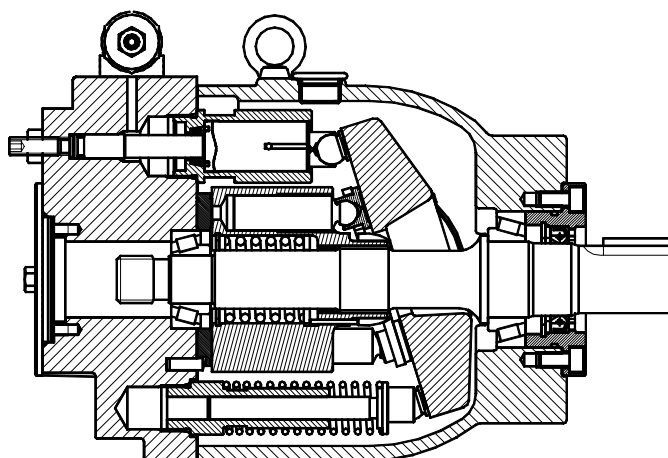
## PVT Series Open Loop Piston Pumps, Rear Drive

|         |                           |         |                           |
|---------|---------------------------|---------|---------------------------|
| PVT6 -  | 0.88 in <sup>3</sup> /rev | PVT29 - | 3.78 in <sup>3</sup> /rev |
| PVT10 - | 1.26 in <sup>3</sup> /rev | PVT38 - | 4.88 in <sup>3</sup> /rev |
| PVT15 - | 2.09 in <sup>3</sup> /rev | PVT47 - | 6.10 in <sup>3</sup> /rev |
| PVT20 - | 2.62 in <sup>3</sup> /rev | PVT64 - | 7.93 in <sup>3</sup> /rev |

PVT6  
PVT10  
PVT15  
PVT20  
PVR20  
PVT29



PVT38  
PVT47  
PVT64



### Key sheet

Example : PVT20-1R1D-C03-BB0

#### 1. PVT20-1R1D-C03-BB0..... Series

|                      |       |        |        |                      |        |        |        |        |
|----------------------|-------|--------|--------|----------------------|--------|--------|--------|--------|
| in <sup>3</sup> /rev | 0.88  | 1.26   | 2.09   | 2.62                 | 3.78   | 4.88   | 6.10   | 7.93   |
| Industrial           | PVT 6 | PVT 10 | PVT 15 | PVT <sup>1)</sup> 20 | PVT 29 | PVT 38 | PVT 47 | PVT 64 |

<sup>1)</sup> Mobile version : PVR20 (consult Denison Hydraulics)

#### 2. PVT20-1R1D-C03-BB0..... Shaft

|         |   |    |       |    |    |    |    |    |
|---------|---|----|-------|----|----|----|----|----|
| PVT     | 6 | 10 | 15    | 20 | 29 | 38 | 47 | 64 |
| Key     | 2 | 2  | 2 / 5 | 2  | 2  | 2  | 2  | 2  |
| Splined | 1 | 1  | 1 / 4 | 1  | 1  | 1  | 1  | 1  |

#### 3. PVT20-1R1D-C03-BB0..... Rotation

|     |   |
|-----|---|
| CW  | R |
| CCW | L |

#### 4. PVT20-1R1D-C03-BB0..... Seal Class

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

#### 5. PVT20-1R1D-C03-BB0..... Design

#### 6. PVT20-1R1D-C03-BB0..... Control

#### 7. PVT20-1R1D-C03-BB0..... Drain & Vent Ports

|             |                       |               |
|-------------|-----------------------|---------------|
| Pump sizes  | PVT 6, 10, 15, 20, 29 | PVT38, 47, 64 |
| SAE threads | 03                    | 03            |

#### 8. PVT20-1R1D-C03-BB0..... Rear Adapter

|         |       |       |                     |       |
|---------|-------|-------|---------------------|-------|
| Plugged | SAE-A | SAE-B | SAE-C <sup>1)</sup> | SAE-D |
| S       | A     | B     | C                   | D     |

<sup>1)</sup> Non-standard SAE-C on PVT20-PVT29

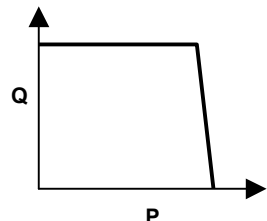
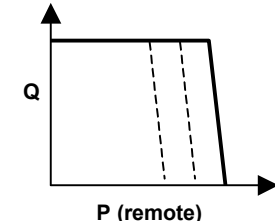
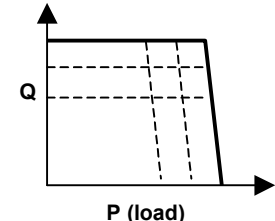
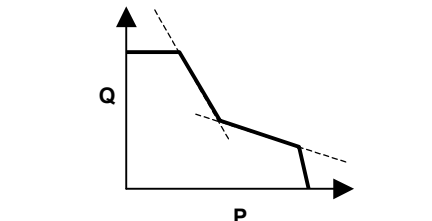
#### 9. PVT20-1R1D-C03-BB0..... Rear Coupling

|      |       |       |        |       |        |       |
|------|-------|-------|--------|-------|--------|-------|
| None | SAE-A | SAE-B | SAE-BB | SAE-C | SAE-CC | SAE-D |
| 0    | A     | B     | Q      | C     | R      | D     |

#### 10. PVT20-1R1D-C03-BB0..... Rear Pump

|                                 |   |
|---------------------------------|---|
| Rear pump not mounted (or none) | 0 |
|---------------------------------|---|

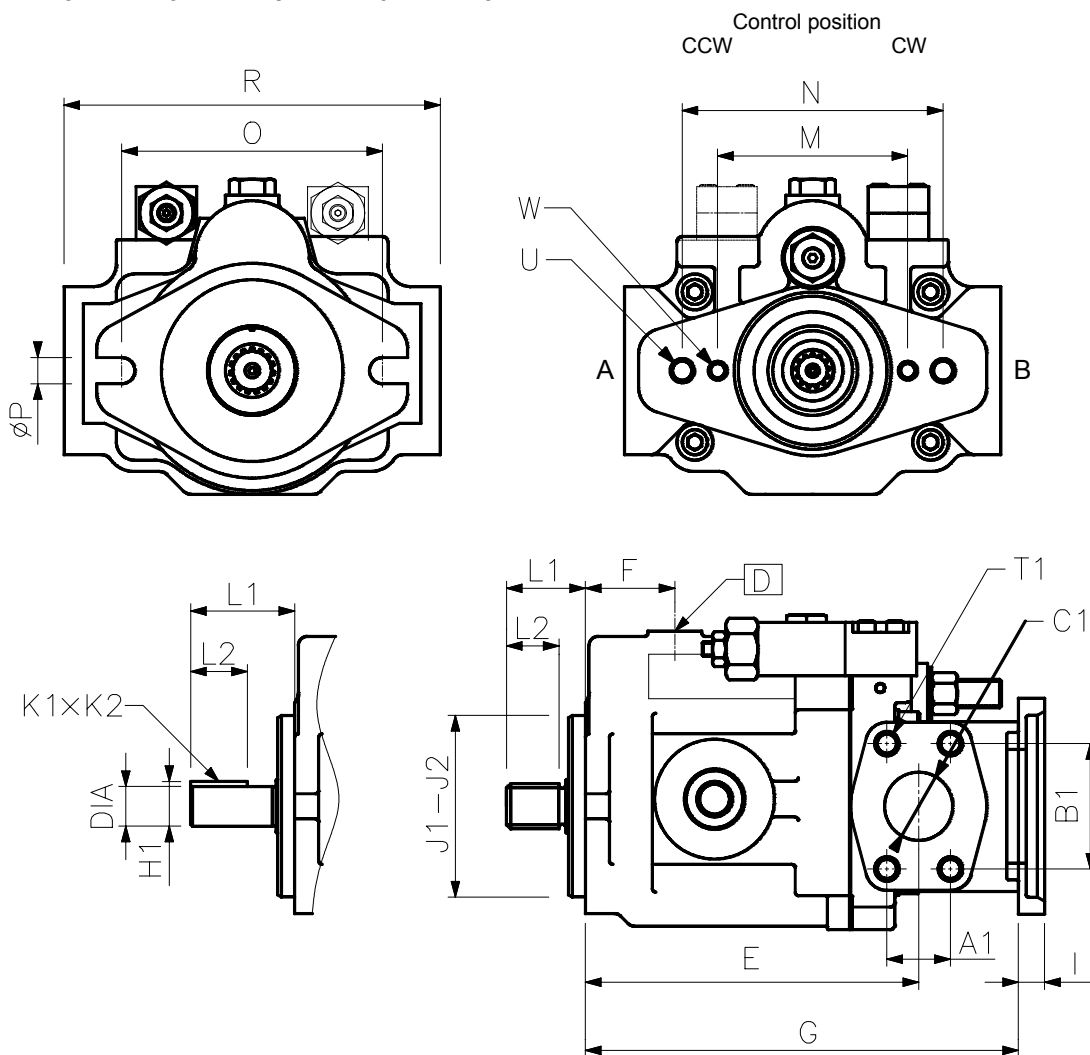
**Controls** ..... (PVT20-1R1D-C03-AQ0)

| C<br>Compensator                                                                  | F<br>Remote Control Compensator                                                   | L<br>Load Sensing                                                                  | J / K<br>Torque Limiter                                                             |  |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|--|
|  |  |  |  |  |  |  |
| Minimum setting : .... 130 PSI<br>Response Time (ms) :<br>                        |                                                                                   |                                                                                    |                                                                                     |  |  |  |

Rear Drives ..... (PVT20-1R1D-C03-AQ0)

| Rear Pump                             |                                                  | Front Pump          |                  |                  |        |        |        |        |        |                                      |
|---------------------------------------|--------------------------------------------------|---------------------|------------------|------------------|--------|--------|--------|--------|--------|--------------------------------------|
| Series                                | Ordering Code                                    | PVT 6               | PVT 10           | PVT 15           | PVT 20 | PVT 29 | PVT 38 | PVT 47 | PVT 64 | Ordering Code                        |
| None (side ports, rear drive plugged) |                                                  | ●                   | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-S00                     |
| PV/PVT6                               | PV/PVT6-1R◆◆-...                                 | ●                   | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-AB0                     |
| PV/PVT10                              | PV/PVT10-1R◆◆-...                                |                     | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BB0                     |
| PV/PVT15                              | PV/PVT15-1R◆◆-...<br>PV/PVT15-4R◆◆-...           |                     |                  | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BB0<br>PVT◆--R◆◆◆◆◆-BQ0 |
| PV/PVT20                              | PV/PVT20-1R◆◆-...                                |                     |                  |                  | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
| PV/PVT29                              | PV/PVT29-1R◆◆-...                                |                     |                  |                  |        | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
| PVT38                                 | PVT38-1R◆◆-...                                   |                     |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CR0                     |
| PVT47                                 | PVT47-1R◆◆-...                                   |                     |                  |                  |        |        |        | ●      | ●      | PVT◆--R◆◆◆◆◆-CR0                     |
| PVT64                                 | PVT64-1R◆◆-...                                   |                     |                  |                  |        |        |        |        | ●      | PVT◆--R◆◆◆◆◆-DD0                     |
| TB                                    | TB-◆◆◆-4R◆◆-...                                  | ●                   | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-AA0                     |
| T6C                                   | T6C-◆◆◆-3R◆◆-...<br>T6C-◆◆◆-4R◆◆-...             |                     | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BB0<br>PVT◆--R◆◆◆◆◆-BQ0 |
| T6D/E                                 | T6◆-◆◆◆-3R◆◆-...                                 |                     |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
| T6CC                                  | T6CC-◆◆◆-◆◆◆-3R◆◆-...<br>T6CC-◆◆◆-◆◆◆-5R◆◆-...   |                     | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BQ0<br>PVT◆--R◆◆◆◆◆-BB0 |
| T6DC                                  | T6DC-◆◆◆-◆◆◆-3R◆◆-...                            |                     |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
| T6EC/ED                               | T6◆-◆◆◆-◆◆◆-3R◆◆-...                             |                     |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
|                                       | T6◆-◆◆◆-◆◆◆-4R◆◆-...                             |                     |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CR0                     |
| T6DCC                                 | T6DCC-◆◆◆-◆◆◆-◆◆◆-3R◆◆-...                       |                     |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
| T6EDCS                                | T6EDCS-◆◆◆-◆◆◆-◆◆◆-3R◆◆-...                      |                     |                  |                  |        |        |        |        | ●      | PVT◆--R◆◆◆◆◆-DD0                     |
| T7BS                                  | T7BS-◆◆◆-3R◆◆-...<br>T7BS-◆◆◆-4R◆◆-...           |                     | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BB0<br>PVT◆--R◆◆◆◆◆-BQ0 |
|                                       | T7BBS-◆◆◆-◆◆◆-3R◆◆-...<br>T7BBS-◆◆◆-◆◆◆-4R◆◆-... |                     | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BB0<br>PVT◆--R◆◆◆◆◆-BQ0 |
| T6H20◆                                | T6H20◆-◆◆◆-3R◆◆-...<br>T6H20◆-◆◆◆-4R◆◆-...       |                     | ●                | ●                | ●      | ●      | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-BC0<br>PVT◆--R◆◆◆◆◆-BQ0 |
|                                       | T6H29◆                                           | T6H29◆-◆◆◆-3R◆◆-... |                  |                  |        |        | ●      | ●      | ●      | PVT◆--R◆◆◆◆◆-CC0                     |
| Maximum Rear Torque (in-lbs.)         |                                                  | 1124                | A=1673<br>B=1920 | A=1673<br>B=2000 | 3850   | 3850   | 3009   | 5665   | 5665   |                                      |

PVT6 - PVT10 - PVT15 - PVT20 - PVT29

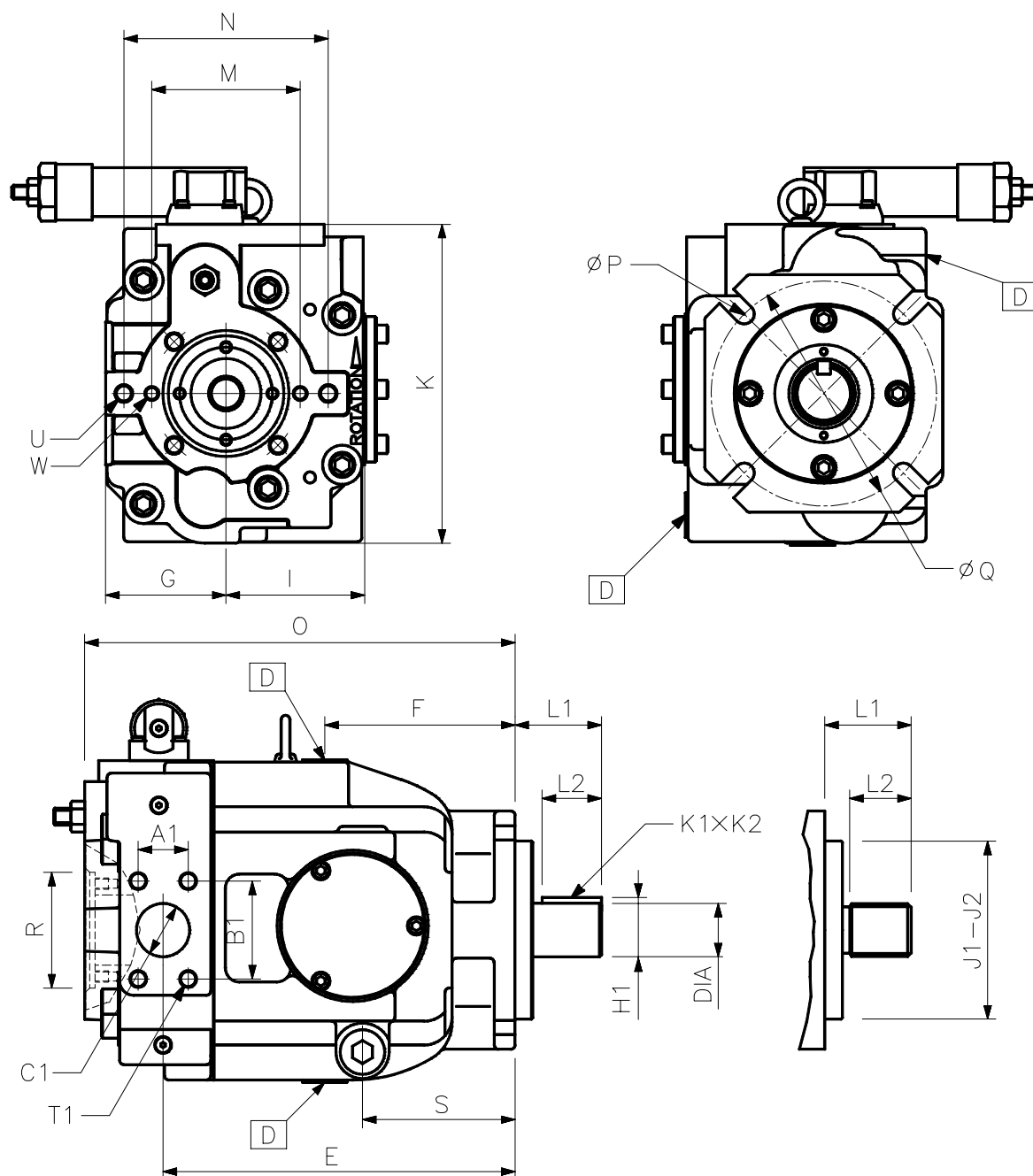


|    | PVT6                                                  |        |
|----|-------------------------------------------------------|--------|
| E  | 6.12                                                  |        |
| F  | 1.57                                                  |        |
| G  | 7.79                                                  |        |
| J1 | 3.250                                                 |        |
| J2 | 3.248                                                 |        |
| M  | 4.17                                                  |        |
| N  | -                                                     |        |
| O  | 4.17                                                  |        |
| P  | Ø 0.47                                                |        |
|    |                                                       |        |
|    | PVT10                                                 | PVT15  |
| E  | 6.60                                                  | 7.35   |
| F  | 1.77                                                  | 1.97   |
| G  | 8.67                                                  | 9.54   |
| J1 | 4.000                                                 | 4.000  |
| J2 | 3.998                                                 | 3.998  |
| M  | 4.19                                                  | 4.19   |
| N  | 5.75                                                  | 5.75   |
| O  | 5.75                                                  | 5.75   |
| P  | Ø 0.57                                                | Ø 0.58 |
|    | PVT20                                                 | PVT29  |
| E  | 7.95                                                  | 8.51   |
| F  | 1.97                                                  | 2.36   |
| G  | 10.44                                                 | 11.82  |
| J1 | 5.000                                                 | 5.000  |
| J2 | 4.998                                                 | 4.998  |
| M  | 4.19                                                  | 4.19   |
| N  | 5.75                                                  | 5.75   |
| O  | 7.13                                                  | 7.13   |
| P  | Ø 0.70                                                | Ø 0.70 |
| U  | 1/2"-13UNC x 0.75                                     |        |
| W  | 3/8"-12UNC x 1.00                                     |        |
| I  | SAE-A .....0.43<br>SAE-B .....0.58<br>SAE-C .....0.58 |        |

| Shafts |                | Availability & Torque limits (in-lbs.) |       |       |       |       | Dimensions |      |                                      |               |      |
|--------|----------------|----------------------------------------|-------|-------|-------|-------|------------|------|--------------------------------------|---------------|------|
|        |                | PVT6                                   | PVT10 | PVT15 | PVT20 | PVT29 | L1         | L2   | DIA                                  | K1 x K2       | H1   |
| 2      | Keyed          | 1124                                   |       |       |       |       | 1.79       | 1.00 | 0.750 - 0.748                        | 0.188 x 0.187 | 0.83 |
|        | Keyed          |                                        | 1673  | 1673  |       |       | 2.33       | 1.25 | 0.875 - 0.874                        | 0.251 x 0.250 | 0.99 |
|        | Keyed          |                                        |       |       | 4673  | 4877  | 2.30       | 1.25 | 1.250 - 1.248                        | 0.313 x 0.312 | 1.39 |
| 5      | Keyed SAE-BB   |                                        |       | 2830  |       |       | 1.84       |      | 1.000 - 0.998                        |               |      |
| 1      | Splined        | 2018                                   |       |       |       |       | 1.59       | 0.98 | Class 5-J498c, 16/32 d.p. - 13 teeth |               |      |
|        | Splined        |                                        | 2549  | 2177  |       |       | 1.74       | 0.98 | Class 5-J498c, 16/32 d.p. - 13 teeth |               |      |
|        | Splined        |                                        |       |       | 4673  | 6293  | 2.16       | 1.10 | Class 5-J498c, 12/24 d.p. - 14 teeth |               |      |
| 4      | Splined SAE-BB |                                        |       | 3824  |       |       | 1.74       | 1.16 | Class 5-J498c, 16/32 d.p. - 15 teeth |               |      |

| Ports | Suction port (SAE-61) |      |      |      |                  | Pressure port (SAE-61) |      |      |      |                 | Drain<br>D | Vent<br>V |
|-------|-----------------------|------|------|------|------------------|------------------------|------|------|------|-----------------|------------|-----------|
|       | Size                  | A1   | B1   | C1   | T1               | Size                   | A1   | B1   | C1   | T1              |            |           |
| PVT6  | 1"                    | 26.4 | 52.3 | 25.4 | 3/8"-16UNCx19.0  | 3/4"                   | 22.4 | 47.8 | 19.0 | 3/8"-16UNCx19.0 | SAE-8      | SAE-4     |
| PVT10 | 1 1/4"                | 30.0 | 58.7 | 31.7 | 7/16"-14UNCx22.0 | 1"                     | 26.4 | 52.3 | 25.4 | 3/8"-16UNCx19.0 | SAE-10     | SAE-4     |
| PVT15 | 1 1/2"                | 35.6 | 69.9 | 38.1 | 1/2"-13UNCx25.4  | 1"                     | 26.4 | 52.3 | 25.4 | 3/8"-16UNCx19.0 | SAE-10     | SAE-4     |
| PVT20 | 1 1/2"                | 35.6 | 69.9 | 38.1 | 1/2"-13UNCx25.4  | 1"                     | 26.4 | 52.3 | 25.4 | 3/8"-16UNCx19.0 | SAE-12     | SAE-4     |
| PVT29 | 2"                    | 42.7 | 77.7 | 50.8 | 1/2"-13UNCx25.4  | 1"                     | 26.4 | 52.3 | 25.4 | 3/8"-16UNCx19.0 | SAE-12     | SAE-4     |

**PVT38 - PVT47 - PVT64**



| PVT38 |                 |
|-------|-----------------|
| E     | 10.10           |
| F     | 5.35            |
| G     | 3.39            |
| I     | 3.858           |
| J1    | 5.000           |
| J2    | 4.998           |
| K     | 8.94            |
| M     | 4.19            |
| N     | 5.75            |
| O     | 12.11           |
| P     | Ø 0.56          |
| Q     | Ø 6.37          |
| R     | Ø 3.25          |
| S     | 4.29            |
| PVT47 |                 |
| E     | 11.32           |
| F     | 6.50            |
| G     | 3.78            |
| I     | 3.937           |
| J1    | 5.000           |
| J2    | 4.998           |
| K     | 10.00           |
| M     | 4.19            |
| N     | 5.75            |
| O     | 13.64           |
| P     | Ø 0.56          |
| Q     | Ø 6.37          |
| R     | Ø 3.25          |
| S     | 5.08            |
| PVT64 |                 |
| E     | 12.24           |
| F     | 7.19            |
| G     | 4.72            |
| I     | 4.724           |
| J1    | 6.000           |
| J2    | 5.998           |
| K     | 10.87           |
| M     | 4.19            |
| N     | 5.75            |
| O     | 15.39           |
| P     | Ø 0.81          |
| Q     | Ø 9.00          |
| R     | Ø 3.25          |
| S     | 5.98            |
| U     | ½"-13UNC x 0.70 |
| W     | ⅜"-16UNC x 0.55 |

| Shafts |                | Availability & Torque limits (in-lbs.) |       |       | Dimensions |      |                                      |               |      |
|--------|----------------|----------------------------------------|-------|-------|------------|------|--------------------------------------|---------------|------|
|        |                | PVT38                                  | PVT47 | PVT64 | L1         | L2   | DIA                                  | K1 x K2       | H1   |
| 2      | Keyed SAE-CC   | 6506                                   |       |       | 2.43       | 1.65 | 1.500 - 1.498                        | 0.375 x 0.375 | 1.67 |
|        | Keyed SAE-D    |                                        | 8763  | 11374 | 2.96       | 2.00 | 1.750 - 1.748                        | 0.438 x 0.438 | 1.94 |
| 1      | Splined SAE-CC | 6506                                   | 8763  |       | 2.43       | 1.68 | Class 5-J498c, 12/24 d.p. - 17 teeth |               |      |
|        | Splined SAE-D  |                                        |       | 11374 | 2.93       | 2.18 | Class 5-J498c, 8/16 d.p. - 13 teeth  |               |      |

| Ports | Suction port (SAE-61) |      |      |      |                 | Pressure port (SAE-61) |      |      |      |                 | Drain-D | Vent-V |
|-------|-----------------------|------|------|------|-----------------|------------------------|------|------|------|-----------------|---------|--------|
|       | Size                  | A1   | B1   | C1   | T1              | Size                   | A1   | B1   | C1   | T1              |         |        |
| PVT38 | 2"                    | 1.69 | 3.06 | 1.97 | ½"-13UNC x 1.06 | 1½"                    | 1.41 | 2.75 | 1.50 | ½"-13UNC x 1.06 | SAE-12  | SAE-4  |
| PVT47 | 2½"                   | 2.01 | 3.50 | 2.50 | ½"-13UNC x 1.06 | 1½"                    | 1.41 | 2.75 | 1.50 | ½"-13UNC x 1.06 | SAE-12  | SAE-4  |
| PVT64 | 2½"                   | 2.01 | 3.50 | 2.50 | ½"-13UNC x 1.06 | 1½"                    | 1.41 | 2.75 | 1.50 | ½"-13UNC x 1.06 | SAE-12  | SAE-4  |