PVE 19 & 21 Piston Pumps

- Pressures to 3500 psi
- For Mobile and Industrial Use
- Same Day Shipments
- Rated for 2400 rpm > Speeds to 2400 rpm
Table of Contents

Introduction.................................................................................................................................2
Controls......................................................................................................................................3
Operating Data...........................................................................................................................4-5

PVE 19/21
Model Code Breakdown.............................................................................................................6-7
Shaft Torque Data.......................................................................................................................8
Typical Rear Pumps for PVE19/21 Thru-Drives.........................................................................8
Performance Curves....................................................................................................................9-10

Installation Dimensions
  Side Ports and C-Type Control.................................................................................................11
  End Ports and C-Type Control.................................................................................................12

Controls
  Adjustable Maximum Volume Stop..........................................................................................13
  Loading Sensing with Pressure Limiter...................................................................................14
  Remote Adjustment Compensator...........................................................................................14

Shaft Options.............................................................................................................................15

Thru-Drive
  PVE19/21-*-TA9/11 SAE A.....................................................................................................16
  PVE19/21-*-TB26 SAE B.......................................................................................................17

Application Data.......................................................................................................................18
FluiDyne PVE piston pumps are inline, variable displacement pumps. They are available in two displacement sizes. A variety of optional compensators for maximum operating flexibility are available. Pump displacement is varied by pressure and/or flow compensators.

Features Include:

- Inline, variable displacement pump
- Displacement is varied by pressure/flow compensator controls
- Optional controls for maximum operating flexibility
- Thru-drive available
- Two displacement sizes
- 2400 rpm
**Pressure Control, “C” Option:**

The compensator automatically varies pump displacement by meeting the system flow demand for a constant system pressure. The displacement starts to decrease to zero within 200 psi of the compensator setting. The power draw-off is minimized, therefore, system relief valves should not be required.

**Pressure Control with Maximum Displacement Adjustment, ““CC” Option:**

As indicated for “C” option above, except there is an independent screw adjustment of maximum displacement from 100% (rated) to 25%.

**Load Sensing Control and Pressure Limiter, “CVP(C)” Option:**

The compensator provides load sensing control under all pressure conditions, up to the desired maximum. It automatically adjusts pump flow in response to a remote pressure signal. It maintains outlet pressure at approximately 160 psi above load pressure. The integral pressure limiter overrides the load sensing control, reducing pump displacement as the preset maximum operating pressure is reached. Override begins within 200 psi of the preset maximum pressure compensator setting.

**Pressure Control Arranged for Remote Control, “CG” Option:**

It is the same as the “C” (pressure compensation option) except the machine operator is able to change the compensator setting through a remote pilot relief valve.

---

**Note:**

- **“CC”**
  - The symbol shows external valve(s) and cylinder to demonstrate usage.

- **“CVPC”**
  - Optional internal bleed orifice diameter is “.015”.

- **“CG”**
  - A kit is available for an electrical dual pressure compensator. The control automatically adjusts the pump flow to maintain system volume requirements at either of two preselected operating pressures. This allows lower settings for low horsepower start-up, equipment testing, etc. The kit allows for higher pressure settings which is required in machine applications.
Operating Data

Preparation for Start-Up & Mounting:

Prior to starting a FluiDyne PVE piston pump, you will want to fill the case through the uppermost drain port with clean system hydraulic oil. The case drain line should be connected to the reservoir below the oil level. For pump arrangements that include non-PVE units, the requirements of the non-PVE units should also be considered.

FluiDyne recommends that our PVE piston pumps should be mounted horizontally.

Displacement, Speed & Pressure Ratings:

<table>
<thead>
<tr>
<th>Model</th>
<th>Displacement in $\text{in}^3/\text{r}$ Shaft End Pump</th>
<th>Rated Input Speed (At 0 psig Inlet)</th>
<th>Max. Pressure psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVE19</td>
<td>2.50</td>
<td>2400</td>
<td>3000</td>
</tr>
<tr>
<td>PVE21</td>
<td>2.75</td>
<td>2400</td>
<td>2700</td>
</tr>
</tbody>
</table>

Pressure Limits:

<table>
<thead>
<tr>
<th>Port</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet**</td>
<td>5 in. Hg. vacuum to 30 psi</td>
</tr>
<tr>
<td>Outlet</td>
<td>See maximum pressures listed above</td>
</tr>
<tr>
<td>Drain*</td>
<td>5 psig maximum</td>
</tr>
</tbody>
</table>

* Integral relief valve protects pump by limiting case pressure peaks to 10 psi above the inlet pressure. Flow from the valve will be returned directly to the pump inlet. Case drain line required to limit steady-state case pressure.
** See page 5 for inlet vs. speed details.
Full Flow Conditions:

<table>
<thead>
<tr>
<th>Displacement in 3/4</th>
<th>Inlet Pressure/Vacuum</th>
<th>Maximum Speed** rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVE21</td>
<td>5 psig</td>
<td>2800</td>
</tr>
<tr>
<td>PVE19 full displacement 2.75</td>
<td>0 psig</td>
<td>2400</td>
</tr>
<tr>
<td>PVE19 full displacement 2.50</td>
<td>5 in. Hg</td>
<td>2100</td>
</tr>
<tr>
<td>PVE19/21 destroked 2.00</td>
<td>5 psig</td>
<td>3100</td>
</tr>
<tr>
<td>PVE19/21 destroked 2.00</td>
<td>0 psig</td>
<td>2750</td>
</tr>
<tr>
<td>PVE19/21 destroked 1.50</td>
<td>5 in. Hg</td>
<td>2500</td>
</tr>
<tr>
<td>PVE19/21 destroked 1.50</td>
<td>5 psig</td>
<td>3200</td>
</tr>
<tr>
<td>PVE19/21 destroked 1.50</td>
<td>0 psig</td>
<td>3000</td>
</tr>
<tr>
<td>PVE19/21 destroked 1.50</td>
<td>5 in. Hg</td>
<td>2850</td>
</tr>
</tbody>
</table>

* Minimum pressure/vacuum required at pump inlet to operate at displacement and speed listed.
** Speeds that are not listed, but are within the displacements shown above, may be calculated from values listed.

At Load Sense Standby Condition - “CVP(C)” Controls:

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Speed rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVE19</td>
<td>3200</td>
</tr>
<tr>
<td>PVE21</td>
<td>3200</td>
</tr>
</tbody>
</table>

The piston pump must be in zero flow, low pressure, standby condition when operated at listed speed. It could be damaged if not slowed to normal rated speed before being operated at full flow.

Response Data:

<table>
<thead>
<tr>
<th>Control Type</th>
<th>On Stroke Sec.</th>
<th>Off Stroke Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Compensator</td>
<td>0.050</td>
<td>0.025</td>
</tr>
<tr>
<td>Load Sense Compensator</td>
<td>0.060</td>
<td>0.020</td>
</tr>
</tbody>
</table>

Yoke response recorded at rated speed and pressure, 0 psi inlet, 180°F, SAE 10W oil. Pressure rise was 100,000 psi per second.
Model Code Breakdown

Model Series
PVE - pump, variable displacement

Flow Rating @ 1800 rpm
19 - 19 USgpm
21 - 21 USgpm

Shaft Rotation (Viewed from shaft end)
R - Right Hand (Clockwise)
L - Left Hand (Counterclockwise)

Pump Design Number
30 - Design

Control Type & Design
C10 - Pressure compensated
(PVE19, 250-3000 psi)
(PVE21, 250-2700 psi)

CG10 - Remote control
pressure compensator adjustable from 350-3000 psi using an external relief valve

CV10 - Load sensing PVE19/21
CVP12 - Load sensing (160 PSID) with pressure compensation PVE19/21
CVPC12 - Load sensing (350 PSID) with pressure compensation PVE19/21

Input Shaft
1 - SAE B-B Straight Thread
2 - SAE B-B 15 Tooth Spline
9 - SAE B 13 Tooth Spline

*All manufacturers names and part numbers are used for reference only. PVE12 is available in Reman only. Contact CS for more information.

www.FluiDyneFP.com
Model Code Breakdown

Model Series
PVE - pump, variable displacement

Flow Rating @ 1800 rpm
19 - 19 USgpm
21 - 21 USgpm

Mounting Flange
B2 - SAE B 2 bolt flange

Shaft Rotation
(Viewed from shaft end)
R - Right Hand (Clockwise)
L - Left Hand (Counterclockwise)

Thru Drive
Blank - None
B26 - Female SAE “B” 2 bolt flange with 26 tooth thru shaft
A11 - Female SAE “A” 2 bolt flange with 11 tooth thru shaft
A9 - Female SAE “A” 2 bolt flange with 9 tooth thru shaft

Port Configuration
STE - SAE tube end port
MTE - Metric tube end port
STS - SAE tube side port
MTS - Metric tube side port
SFE - SAE flange end port
MFE - Metric flange end port
SFS - SAE flange side port (A9, A11 only)
MFS - Metric flange side port (A9, A11 only)

Input Shaft
1 - SAE BB. 1.00 dia straight keyed
2 - SAE BB splined 15T, 16/32 flat root, side fit
8 - Tapered key, SAE B (torque limited)
9 - SAE B splined 13T
13 - SAE BB tapered key
16 - SAE B .875 dia straight keyed (torque limited)
28 - 28 tooth splined

Seals
F - Flurocarbon (standard)
N - No shaft seal

Pump Design

Special Feature Suffix

Control Option
Blank - W/o max. adjust stop (standard)
D - Max. adjustable stop (not available on thru drive pumps)

Control Bleed Down
Blank - For C, CV, CA, CG, CD
B - Bleed down orifice
P - Plug, no orifice

Control Type & Design
C** - Pressure compensator PVE19: 20-207 bar (300-3000 psi).
Standard setting is “C21”. Indicating 207 bar (3000 psi).
Range is 02-21in tens of bar.
PVE21: 20-186 bar (300-2700 psi). Standard setting is “C19”.
Indicating 186 bar (2700 psi).
C**VP11 - Load sensing w/“C” type pressure limiter. Set at 11 bar (160 psi) standard. Range 11-17 bar
C**VPC24 - Load sensing with “C” type pressure limiter. Set at 24 bar (350 psi) option. Range 17-31 bar
C**VPC41 - Load sensing with “C” type pressure limiter. Set at 41 bar (600 psi) option. Range 31-41 bar
CG** - Remote control pressure compensator (same as C**)
CD - Electric dual range compensator
UV - Unloading valve
CA** - Pressure compensator. Std setting, 7 in tens of bar (max. 70 bar) range 02-07 (300-1000 psi)
(** = pres. setting in tens of bar.)
# Shaft Torque Data

<table>
<thead>
<tr>
<th>Input Shaft</th>
<th>Designation</th>
<th>Max. Input Torque lb in</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SAE “BB” straight keyed</td>
<td>1900</td>
</tr>
<tr>
<td>2</td>
<td>SAE “BB” spline 15T, 16/32 D.P FRSF</td>
<td>2987</td>
</tr>
<tr>
<td>9</td>
<td>SAE “B” spline 13T, 16/32 D.P., FRSF</td>
<td>1850</td>
</tr>
</tbody>
</table>

**Note:** See page 14 for more information. All shafts above have the option to be thru-drive.

<table>
<thead>
<tr>
<th>Model</th>
<th>Typical Rear Pump Model</th>
<th>Rear Pump Shaft Code</th>
<th>PVE** Thru-Drive Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA9</td>
<td>PVQ 10/13</td>
<td>3</td>
<td>864224</td>
</tr>
<tr>
<td></td>
<td>PVB 5/6</td>
<td>Suffix - S214</td>
<td>(9T/9T Straight)</td>
</tr>
<tr>
<td></td>
<td>V10</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V20</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PVE 19/21</td>
<td>9</td>
<td>864307</td>
</tr>
<tr>
<td></td>
<td>PVQ 20/32</td>
<td>3</td>
<td>(26T/13T Step)</td>
</tr>
<tr>
<td></td>
<td>PVQ 40/45</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V2010 or V2020</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20VQ</td>
<td>151</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PVE 19/21</td>
<td>2</td>
<td>475134</td>
</tr>
<tr>
<td></td>
<td>PVQ 40/45</td>
<td>4</td>
<td>(26T/15T Step)</td>
</tr>
<tr>
<td></td>
<td>2520V(Q)</td>
<td>166</td>
<td></td>
</tr>
<tr>
<td>TB26</td>
<td>PVE 19/21</td>
<td>2</td>
<td>627168</td>
</tr>
<tr>
<td></td>
<td>PVQ 20/32</td>
<td>28</td>
<td>(26T/26T)</td>
</tr>
<tr>
<td></td>
<td>PVQ 40/45</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** “A11” (not listed above) is for special applications only.
Performance Curves

PVE19
Oil Type: SAE 10W
Oil Temperature: 180°F
Inlet Pressure: 0 psi

Effective Flow Versus Speed

Input Power Versus Speed

Overall Efficiency Versus Speed

www.FluiDyneFP.com
Performance Curves

PVE21
Oil Type: SAE 10W
Oil Temperature: 180°F
Inlet Pressure: 0 psi

Effective Flow Versus Speed

Input Power Versus Speed

Overall Efficiency Versus Speed

Excellence Under Pressure
Installation Dimensions

PVE19/21 with Side Ports
(30 Design and C-Type Compensator)
Millimeters (inches)

Outlet port (see note) 1.3125-12 UN-2B thd. SAE
O-ring boss connection 1.000 O.D. tubing (Shown for R.H. rotation)

Drain port “D1” .875-14 UNF-2B thd. SAE
O-ring boss connection 0.625 O.D. tubing

Inlet port (see note) 1.875-12 UN-2B thd. SAE O-ring boss connection 1.500 O.D. tubing (Shown for R.H. rotation)

NOTE
Ports are reversed for L.H. rotation.
Installation Dimensions

PVE19/21 with End Ports
(40 Design and C-Type Compensator)
Millimeters (inches)

Drain port "D1" .875-14 UNF-2B thd. SAE O-ring boss connection 0.625 O.D. tubing

Compensator position R.H. rotation (reverse for L.H. rotation)

Outlet port (see note) 1.3125-12 UN-2B thd. SAE O-ring boss connection 1.000 O.D. tubing (Shown for R.H. rotation)

Inlet port (see note) 1.875-12 UN-2B thd. SAE O-ring boss connection 1.500 O.D. tubing (Shown for R.H. rotation)

Alternate drain port "D2" .875-14 UNF-2B thd. SAE O-ring boss connection 0.625 O.D. tubing

Ports are reversed for L.H. rotation.

NOTE
**Adjustment:**

First, loosen the locknut on the adjusting rod. Next, turn the adjusting rod clockwise to decrease maximum pump flow, or counterclockwise to increase maximum pump flow, until the desired setting is obtained. You will want to make sure you secure the setting by tightening the locknut. To assist initial priming, the manual adjustment control setting should be at least 40% of the maximum flow position.

The compensator enables maximum pump flow to be externally adjusted from 25% to 100% while maintaining all the standard features of a pressure compensated pump.
Controls

PVE19/21 CVP Load Sensing with Pressure Limiter
See page 10 for other details and dimensions

PVE19/21 CG Remote Adjustment Compensator

Compensator control port location for R.H. rotation
.4375-20 UNF-2B thd. SAE O-ring boss connection
.250 O.D. tubing

Load sensing compensator control port location for R.H. rotation
.4375-20 UNF-2B thd. SAE O-ring boss connection
.250 O.D. tubing

Load sensing compensator control port location for L.H. rotation

Compensator control port location for L.H. rotation

sales@FluiDyneFP.com • (586) 296-7200
Shaft Options

No. 1 Shaft: SAE “BB” Straight Keyed

6.375 x 31.75 (250 x 1.250) long key

28.22 (1.111) 27.97 (1.101)

1.5 x 45° (0.06) x 45°

50.80 (2.000) 58.7 (2.31)

No. 2 Shaft: SAE “BB” Splined

SAE “BB” involute spline, 15T, 16/32 DP flat root side fit

50.0 (1.961) 38.10 (1.500) 23.75 (0.935)

30°

No. 9 Shaft: SAE “B” Splined

SAE “B” involute spline, 13T, 16/32 DP flat root side fit

9.52 (0.375)

33.3 (1.31)

44.4 (1.75)

No. 16 Shaft: SAE “B” Straight Keyed

6.375 x 22.22 (250 x 0.875) long key

25.12 (0.989) 24.67 (0.979)

1.5 x 45° (0.06) x 45°

33.32 (1.312) 44.4 (1.75)
## Thru-Drive Shaft Options

**PVE19/21*-TA9/11**  
SAE “A” Thru-Drives  
Inches

<table>
<thead>
<tr>
<th>Shaft</th>
<th>Spline Data</th>
<th>DIM. “A”</th>
<th>DIM. “B”</th>
<th>DIM. “C”</th>
<th>Max. Torque Rating in.lbs</th>
<th>Coupling Length Dim “D”</th>
</tr>
</thead>
</table>
| TA9   | ASA B5.15-1980  
9 teeth 16/32 D.P.  
Flat Root Side Fit | 2.00 | 0.50 | 0.89 | 517 | 864224 |
| TA11  | ANS B92.1-1970  
11 teeth 16/32 D.P.  
Flat Root Side Fit | 2.00 | 0.57 | 0.89 | 1100 | 864325 |

**Note:** Order the couplings, screws and washers separately to mount on the rear pump.

---

![View A – A](image_url)

**L.H. rotation**

**Portsa re reversed for R.H. rotation.**

---

**Notetaken:** Order the couplings, screws and washers separately to mount on the rear pump.
**Thru-Drive Shaft Options**

**PVE19/21-*-TB26**

SAE “B” Thru-Drives

**Inches**

**Thru-Drive Pump Support Bracket**

An optional support bracket must be used when a heavy second pump is mounted to a thru-drive PVE 19/21. This support bracket (627179), two screws (199740) and two washers (427700) must be ordered separately. Contact our customer service representatives for more information!

---

### Shaft Spline Data

<table>
<thead>
<tr>
<th>Shaft</th>
<th>Max. Torque Rating</th>
<th>Dim. “A”</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB26</td>
<td>26 teeth 32/64 D.P. Flat Root Side Fit</td>
<td>1587</td>
<td>0.43</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.81</td>
<td>475134 26T/15T</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.98</td>
<td>627168 26T/26T</td>
</tr>
</tbody>
</table>

**Note:** Order the couplings, screws and washers separately to mount on the rear pump.

---

**Shaft Spline Data**

<table>
<thead>
<tr>
<th>Max. Torque Rating</th>
<th>Dim. “A”</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.m (in.lbs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1587</td>
<td>0.43</td>
<td>864307 26T/13T</td>
</tr>
<tr>
<td></td>
<td>0.81</td>
<td>475134 26T/15T</td>
</tr>
<tr>
<td></td>
<td>0.98</td>
<td>627168 26T/26T</td>
</tr>
</tbody>
</table>

**Shaft Spline Data**

- **TB26**
  - 26 teeth 32/64 D.P. Flat Root Side Fit
  - Max. Torque Rating: 1587 N.m (in.lbs)
  - Dim. “A”: 0.43, 0.81, 0.98
  - Coupling: 864307 26T/13T, 475134 26T/15T, 627168 26T/26T

---

**Shaft Spline Data**

<table>
<thead>
<tr>
<th>Max. Torque Rating</th>
<th>Dim. “A”</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.m (in.lbs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1587</td>
<td>0.43</td>
<td>864307 26T/13T</td>
</tr>
<tr>
<td></td>
<td>0.81</td>
<td>475134 26T/15T</td>
</tr>
<tr>
<td></td>
<td>0.98</td>
<td>627168 26T/26T</td>
</tr>
</tbody>
</table>

**Shaft Spline Data**

- **TB26**
  - 26 teeth 32/64 D.P. Flat Root Side Fit
  - Max. Torque Rating: 1587 N.m (in.lbs)
  - Dim. “A”: 0.43, 0.81, 0.98
  - Coupling: 864307 26T/13T, 475134 26T/15T, 627168 26T/26T

---

**Shaft Spline Data**

<table>
<thead>
<tr>
<th>Max. Torque Rating</th>
<th>Dim. “A”</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.m (in.lbs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1587</td>
<td>0.43</td>
<td>864307 26T/13T</td>
</tr>
<tr>
<td></td>
<td>0.81</td>
<td>475134 26T/15T</td>
</tr>
<tr>
<td></td>
<td>0.98</td>
<td>627168 26T/26T</td>
</tr>
</tbody>
</table>

**Shaft Spline Data**

- **TB26**
  - 26 teeth 32/64 D.P. Flat Root Side Fit
  - Max. Torque Rating: 1587 N.m (in.lbs)
  - Dim. “A”: 0.43, 0.81, 0.98
  - Coupling: 864307 26T/13T, 475134 26T/15T, 627168 26T/26T

---

**Shaft Spline Data**

<table>
<thead>
<tr>
<th>Max. Torque Rating</th>
<th>Dim. “A”</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.m (in.lbs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1587</td>
<td>0.43</td>
<td>864307 26T/13T</td>
</tr>
<tr>
<td></td>
<td>0.81</td>
<td>475134 26T/15T</td>
</tr>
<tr>
<td></td>
<td>0.98</td>
<td>627168 26T/26T</td>
</tr>
</tbody>
</table>

**Shaft Spline Data**

- **TB26**
  - 26 teeth 32/64 D.P. Flat Root Side Fit
  - Max. Torque Rating: 1587 N.m (in.lbs)
  - Dim. “A”: 0.43, 0.81, 0.98
  - Coupling: 864307 26T/13T, 475134 26T/15T, 627168 26T/26T

---

**Shaft Spline Data**

<table>
<thead>
<tr>
<th>Max. Torque Rating</th>
<th>Dim. “A”</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.m (in.lbs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1587</td>
<td>0.43</td>
<td>864307 26T/13T</td>
</tr>
<tr>
<td></td>
<td>0.81</td>
<td>475134 26T/15T</td>
</tr>
<tr>
<td></td>
<td>0.98</td>
<td>627168 26T/26T</td>
</tr>
</tbody>
</table>

**Shaft Spline Data**

- **TB26**
  - 26 teeth 32/64 D.P. Flat Root Side Fit
  - Max. Torque Rating: 1587 N.m (in.lbs)
  - Dim. “A”: 0.43, 0.81, 0.98
  - Coupling: 864307 26T/13T, 475134 26T/15T, 627168 26T/26T
Application Data

<table>
<thead>
<tr>
<th>System Pressure Level bar (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
</tr>
<tr>
<td>Piston Pumps - Variable</td>
</tr>
</tbody>
</table>

Hydraulic Fluids & Temperature Ranges:

Use antiwear hydraulic oil, or automotive type crankcase oil designations SC, SD, SE or SF per SAE J183FEB80.

Select a viscosity grade that will allow optimum viscosity, between 40 cSt (180 SUS) and 16 cSt (80 SUS), to be achieved within the optimum performance envelope shown.

Ordering Procedure:

If you are interested in ordering our Fluidyne brand PVE piston pumps, please contact our customer service representatives with the model code. Don’t have a model code or need help building it? Don’t hesitate to contact us - we will help you build the correct code. Call, Email or LiveChat us Today!