Heavy Duty Piston Pump
PVE27-**-(M)(D)-22-C25(V)-21
 acidity 475405 'C' load sensing/pressure limiter compensator S/A. Shipped preset at approximately: Load sensing differential pressure 20 bar. Pressure limiter 250 bar.

* 475407 'C' pressure compensator S/A preset at 250 bar.

<table>
<thead>
<tr>
<th>Housing</th>
<th>Shaft Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>939821</td>
<td>Single</td>
</tr>
<tr>
<td>939820</td>
<td>Double</td>
</tr>
</tbody>
</table>

470814 Screw (8 req'd)
Torque 20-22 N.m
(14.7-16.2 lb. ft.)

Housing (See table)
597622 Gasket
366865 Bearing S/A
■ 584476 Key
627593 Yoke S/A
■ 392059 Pin
■ 584515 Swash Plate
■ 584512 Shoe Cage
■ 632587 Spacer

Shaft (See table)
926257 Piston Kit
(Includes 9 Piston and Shoe S/A)

◆◆ 154130 O-Ring
◆◆ 584510 Control Stem
Torque 75-83 N.m
(55-61 lb. ft.)
◆◆ 584511 Control Piston

Type | Shaft      | Key   |
-----|------------|-------|
1 (Std) | 475257 | 114516 |
1 (Thru) | 475258 | 114516 |
2 (Std) | 680606 |       |
2 (Thru) | 685356 |       |

Note
Parts are shown for left hand shaft rotation. The position of control and bias pistons are reversed for right hand rotation.

Note
Refer to overhaul manual M-2240-S for shaft end play and pintle bearing preload shimming procedure.

103824 Retaining Ring
(2 req'd)

103824 Retaining Ring
(Double Shaft Seal Only)

627484 Shaft Seal (Spring Inward)

227376 Screw (2 req'd)
Nameplate
353187 Bearing S/A
(2 req'd)

926259 Pintle Shim Kit

409857 Cover (2 req'd)
470814 Screw (8 req'd)
Torque 20-22 N.m
(14.7-16.2 lb. ft.)

◆ 589953 O-Ring

597032 Spacer (2 req'd)

Shaft Seal (Spring Outward)

154130 O-Ring

627484 Shaft Seal (Spring Inward)

Included in single shaft seal kit 920267

Included in double shaft seal kit 920360

Included in rotating group 938102

Included in bias piston kit 926450

Included in control piston kit 926449

Included in compensator S/A

PVE27*(-**(M)(D)-22-** **-21
Model Code

PVE 27 * * *(M) (D) - 22 - C 25 V - 21

1 Model Series
PVE - Pump, variable, inline series E

2 Flow Rating in USgpm
(at 1800 RPM)
27 - 27 USgpm (3.5 CIR)

3 Shaft Rotation
(Viewed from Shaft End)
R - Right hand (CW)
L - Left hand (CCW)

4 Ports and Configuration
Blank - Side port, flanged rear mount control
H - Side port 'A' pad aux. mount, side mount control

Thru Drive Configuration
A - Side port 'A' pad aux. mount, side mount control
B - Side port 'B' pad aux. mount, side mount control
C - Side port 'C' pad aux. mount, side mount control

5 Input Shaft
1 - Straight Keyed
2 - Splined

6 Port Designation (4 Bolt Flange)
Blank - SAE I-518
M - ISO/DIS 6162

7 Shaft Seal
Blank - Single
D - Double

8 Pump Design

9 Control Option
C - Pressure compensator (Std.)

10 Pressure Compensator Setting
25 - 250 Bar (3625 PSI)

11 Control Option
V - Load sensing pressure limiting

12 Control Design

Thru-Drive Models

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR and OFRS filter series are recommended.