Variable Inline Piston Units
5 & 6 USgpm

MVB5-(F)UDY-21-*(L)-10
PVB5-(F)**Y-21-*(C)(*)-1*
PVB6-(F)**Y-21-*(C)(*)-1*
**PINTLE BEARING ASSEMBLY NOTE**

Make certain the bearing O.D. surface and the mating surface in the housing is clean. Apply sealing compound (Loctite A (10-1) or equivalent) to the bearing O.D. and press in place.

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### Model Pintle Valve Plate S/A

<table>
<thead>
<tr>
<th>Model</th>
<th>Valve Plate S/A</th>
<th>942223</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVB*-RS–21–C(*)–11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PVB*-LS–21–C(*)–11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PVB*-RD–21–H/M–10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PVB*-LD–21–H/M–10</td>
<td></td>
<td></td>
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<tr>
<td>MVB5–UD–20–H/M–10</td>
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<td></td>
</tr>
</tbody>
</table>

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### Notes

- **CAUTION**
  - Do not allow sealing compound to contact the bearing needles.

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### Installation Notes

1. Install gasket with small end of teardrop hole pointing in direction of compensator adj plug.

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**Pressure Range (psi)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Range</th>
<th>Compensator Kit</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C)</td>
<td>250–3000</td>
<td>942158</td>
<td>239371</td>
</tr>
<tr>
<td>(CM)</td>
<td>250–1500</td>
<td>942159</td>
<td>265693</td>
</tr>
</tbody>
</table>

**Type C & CM compensator control parts are shown. Refer to back page for manual controls and I–3243–S for CVP pressure limiting & load sensing controls.**

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**CAUTION**

Model PVB6 compensator pressure adjustment shall not exceed 2000 psi.
For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return and in-line filters series are recommended.
## Model Code

### *VB* *(F)* *(Y)* - 21 - *(*) - *(*) - 1*

<table>
<thead>
<tr>
<th>1</th>
<th>Variable displacement in-line piston unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Pump</td>
</tr>
<tr>
<td>M</td>
<td>Motor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>USgpm flow rating @1800 rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>5 USgpm</td>
</tr>
<tr>
<td>6</td>
<td>6 USgpm</td>
</tr>
</tbody>
</table>

### Mounting

- **F** - Foot bracket (Omit for flange mount)

<table>
<thead>
<tr>
<th>4</th>
<th>Rotation (Viewed from shaft end)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>Left hand</td>
</tr>
<tr>
<td>R</td>
<td>Right hand</td>
</tr>
<tr>
<td>U</td>
<td>Either direction (Motor only)</td>
</tr>
</tbody>
</table>

### Swash plate movement

- **D** - Both sides of center
- **S** - One side of center

### Shaft end

- **Y** - Standard

### Pump design

### Control type

- **C** - Pressure Compensator
  - 250-3000 psi (PVB5)
  - 250-2000 psi (PVB6)
- **CM** - Pressure limiter load sensing
- **CVP** - Pressure compensator variations
  - **D** - Dual-range (electric control 115 volts-60 cycle)
  - **DH** - Dual-range (hydraulic control)

### Other controls or options

- **L** - Left hand viewing shaft end (Omit for right hand models)
- **H** - Handwheel
- **M** - Lever

### Control design number

- **P** - Pump
- **M** - Motor

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**Manual Lever Control (M)**

Parts shown included in 941360 kit

- 233744 Lever
- 99782 Washer
- 1450 Nut
- 1234 Screw

**Handwheel Control (H)**

Parts shown included in 938523 kit

- 239557 Handwheel
- 226754 Rollpin
- 327585 Screw

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