Thru–Drive Vane Type Pump

(F3)–25VT*(M)–**A(M)2–**–*–22–*
### Table: Seal Kit Parts

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ADAPTER PLATE</th>
<th>ADAPTER KIT</th>
<th>SPACER KIT</th>
<th>RETAINING RING</th>
<th>COUPLING KIT</th>
<th>COUPLING KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTA</td>
<td>584936</td>
<td>941296</td>
<td></td>
<td>223172</td>
<td>426770</td>
<td>02-136810</td>
</tr>
<tr>
<td>VTB</td>
<td>584922</td>
<td>941297</td>
<td></td>
<td>89447 (1)</td>
<td>584926</td>
<td>02-136811</td>
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<tr>
<td>VTBP</td>
<td>584922</td>
<td>941297</td>
<td>02-136817</td>
<td>89447 (2)</td>
<td>452865</td>
<td>02-136812</td>
</tr>
</tbody>
</table>

**NOTE**

For BP models an adapter kit and spacer kit is required.

- Included in seal kit (See Table)
- Included in cartridge kit (See Table)
- Included in coupling kit (See Table)
- Included in adapter kit (See Table)
- Included in spacer kit (BP models only)
- F3 equivalent seal kit (See Table)
- Parts prefixed with symbols available only in kits

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**Diagram:**

- 02-136719 Vane Kit (Includes 12 vanes & inserts)
- 584618 Rotor
- Ring (See Table)
- 591016 Inlet Plate S/A
- 298147 Bolt (4 Req'd)
  - Torque 55.2 – 67.8 N.m. (40 – 50 lb. ft.)
- 351776 “O” Ring
- 154086 “O” Ring
- “A” Adapter Plate (See Table)
- 229662 Pin (2 Req’d)
- 289472 Screw (2 Req’d)
- Housing (See Table)
- 353409 “O” Ring
- Retaining Ring (See Table)
- 38523 Bolt (4 Req’d)
  - Torque 88.1 – 101.7 N.m. (65 – 75 lb. ft.)
- Coupling (see Table)

- 588725 Spacer (See table)
  - (BP models only)
- 375422 “O” Ring (BP models only)
- 427700 Washer (BP models only)
- 205436 Screw (2 Req’d)
  - (BP models only)
For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. OFP, OFR, and OFRS series filters are recommended.

NOTE

□ Assemble shaft seal with spring loaded sealing member towards bearing. Seals to be completely wetted with oil prior to assembly.
To reverse cartridge kit rotation, remove the two screws and reverse the location of the inlet support plate and outlet support plate. Re-install the two screws hand tight. Use pump cover to align all sections of the cartridge. Carefully remove the cover and tighten the screws.

**NOTE**

When ordering spare cartridge parts, it is recommended they be obtained in cartridge kits. Kits are assembled and tested by Vickers for either right or left hand rotation. If left hand rotation is required, it should be specified on parts order by adding suffix “L” to cartridge kit number.