Single Vane Pump
25V***-1*20-282/283
Service Data

Single Vane Pump
25V***-1*20-282/283

**Note**
Apply a small amount of system fluid to inner circumferences of seal before installation of shaft. Assemble seal with spring toward bearing.

<table>
<thead>
<tr>
<th>Shaft</th>
<th>Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>238755 9955</td>
</tr>
<tr>
<td>11</td>
<td>238929 —</td>
</tr>
</tbody>
</table>

**Shaft Part Key**

| 11  | 9955 |
| 238755 | 238929 |

<table>
<thead>
<tr>
<th>Model</th>
<th>Cover</th>
<th>Body S/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>25V**A/D-*<em>20-28</em></td>
<td>224309</td>
<td>942353</td>
</tr>
<tr>
<td>25V**B/C-*<em>20-28</em></td>
<td>242215</td>
<td>942378</td>
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</tbody>
</table>

**Included in 922850 Seal Kit**

**Included in Cartridge Kit**

**Included in F3 equivalent Seal Kit 919656**

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**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Screw (2 req’d)</th>
<th>Pin (2 req’d)</th>
<th>Inlet Support Plate S/A</th>
<th>Ring</th>
<th>Rotor</th>
<th>Vane Kit</th>
<th>Outlet Support Plate</th>
<th>Std Cart Kit</th>
<th>F3 Cart Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>25V12A</td>
<td>289472</td>
<td>229662</td>
<td>591016 (Includes Bushing)</td>
<td>584610</td>
<td>584612</td>
<td>941214 (Includes 12 Vanes &amp; 12 Inserts)</td>
<td>588690</td>
<td>591002</td>
<td>591095</td>
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<td>25V14A</td>
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<td>591003</td>
<td>591096</td>
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<td>25V17A</td>
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<td>591004</td>
<td>591097</td>
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<td>25V21A</td>
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<td>591005</td>
<td>591098</td>
</tr>
</tbody>
</table>

**Included in Cartridge Kit**

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**Note**

- 96168 Bolt (4 req’d)
- Oil & Torque to 70 ± 5 lb. ft.
- 3X-36212 Screw (2 req’d)
- 294959 Rotation Plate
- Inlet Cover (See table)
- FB-B-10 Mounting Kit (Includes screws)
- Body S/A (See table)
- 154095 “O” Ring
- 394976 Shaft Seal
- 190362 Retainer

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Revised 10/01/89

I-3158-S
Model Code

(F3) - 25V - ** - * - * - 20 (*) - 28*

Seals
F3 - Viton® seals
(Omit if not required.)
Viton is a registered trademark of E.I. DuPont

Model Series
25V - Vane type

SAE Rated Capacity
12 - 12 USgpm
14 - 14 USgpm
17 - 17 USgpm
21 - 21 USgpm

Port Connections
Inlet Connection
A - SAE 4-bolt
B - SAE str. thd.
C - SAE 4-bolt
D - SAE str. thd.

Outlet Connection
A - SAE 4-bolt
B - SAE str. thd.
C - SAE 4-bolt
D - SAE str. thd.

Shafts
1 - Straight key
2 - Spline

Port Positions
(See chart below)

Design

Rotation
(Viewed from shaft end)
L - Left hand (CCW rotation)
Omitted - Right hand rotation

Mounting
282 - SAE 2-bolt mounting
283 - Foot mounting

Parts are the same for both right and left hand rotation. When ordering spare cartridge parts, it is recommended they be obtained in cartridge kits. Kits are assembled and tested 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 kit number. For example, 591002-L.

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