Vane Type Single Pump

25V(M)-**-A(M)(F)-**-22-*
Service Data

Vane Type Single Pump

25V(M)—**A(M)(F)—**—22—*

- 588690 Outlet Support Plate
- Ring (See Table)
- 584618 Rotor
- 229662 Pin (2 Req’d)

Inlet Cover (See Table)
96168 Bolt (4 Req’d)
Oil & Torque 88—102 N.m.
(65—75 lb ft.)

- 02—136719 Vane Kit
  (Includes 12 Vanes & Inserts)
- 591016 Inlet Support Plate S/A
- 289472 Screw (2 Req’d)

Key (See Table)
Shaft (See Table)

1705 Bearing
120128 Retaining Ring
191400 Lock Ring

<table>
<thead>
<tr>
<th>SHAFT</th>
<th>TYPE</th>
<th>KEY</th>
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<tr>
<th>MODEL</th>
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<th>F3 CART KIT</th>
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- ▲ 154095 "O" Ring
- ▲ 419673 Sealing Ring
- ▲ 154078 "O" Ring
- ▲ 588507 Back—up Ring
- 199491 Foot Bracket (Optional)
- 199740 Screw (2 Req’d)
- □ ▲ 394976 Shaft Seal
- 190362 Washer
- □ Assemble seal with spring loaded sealing member towards bearing. Seals to be completely wetted with oil prior to assembly.

- • Included in cartridge kit
- ▲ Included in seal kit 922850
- F3 equivalent seal kit 919656
- ◇ Included in foot bracket kit FB—B—10
- ※ Install 419673 sealing ring into body, then install cartridge kit.

Released 04—01—92

I—3196–S
Model Code

(F3) - 25V (M) - ** A (M) (F) - *** - 22 - *

1 Special seals

2 Series designation
25V - 40 to 67 cm³/r
(2.47 to 4.13 in³/r)

3 Pilot designation
M - Metric per ISO 3019/2 100A2HW
Omit - Standard pilot

4 Geometric displacement
(Rated capacity (USgpm) at
1200 rpm, 6.9 bar (100 psi))

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<tr>
<th>Code</th>
<th>cm³/r</th>
<th>in³/r</th>
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5 Port connections
A - SAE 4 bolt flange

6 Port connection modifier
M - Metric port connection
(4 bolt flange)
Omit - Inch thread port connection
(4 bolt flange)

7 Mounting
F - Foot mounting
Omit - Flange mounting

8 Shaft
1 - Straight keyed
11 - Splined
192N - Straight keyed (M pilot only)

9 Outlet positions
(Viewed from cover end of pump)
A - Opposite inlet port
B - 90° CCW from inlet
C - Inline with inlet
D - 90° CW from inlet

10 Design

11 Rotation
(Viewed from shaft end of pump)
L - Left hand for counterclockwise
R - Right hand for clockwise

NOTE
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:
For satisfactory service life of these
components in industrial applications,
use full flow filtration to provide fluid
which meets ISO cleanliness code
18/13 or cleaner. OPF, OFR, and OFRS
series filters are recommended.

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.

Sharp Edges of Vane Must
Lead in Direction of Rotation

L.H. Rotation
R.H. Rotation