Model Code

V20NF - Vane pump, 20 size with flow control valve cover & internal drain

1 Model Series

V20NF – Vane pump, 20 size with flow control valve cover & internal drain

2 Pump Mounting

1 – 2 Bolt
2 – Foot mount - body inlet port @ 12 o’clock (viewed from shaft end)
3 – Power take–off
4 – Face
23 – Body inlet port @ 3 o’clock
26 – Body inlet port @ 6 o’clock
29 – Body inlet port @ 9 o’clock

For 7-9 GPM units:
101 – Straight keyed (standard)
103 – Threaded
138 – Splined

For 5-6 GPM units:
203 – Threaded
238 – Splined

7 Outlet pressure port position
(Viewed from cover end)

A – Opposite inlet port
B – 90° CCW from inlet port
C – In line with inlet port
D – 90° CW from inlet port

3 Inlet Body Port

D – 1.312-12 (SAE straight thread)
F – 2 bolt flange
P – 1.25 N.P.T.
S – 1.625-12 (straight thread)

4 Ring Capacity @ 1200 RPM

<table>
<thead>
<tr>
<th>Flow</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 - 5 GPM</td>
<td>8 - 8 GPM</td>
</tr>
<tr>
<td>6 - 6 GPM</td>
<td>9 - 9 GPM</td>
</tr>
<tr>
<td>7 - 7 GPM</td>
<td>10 - 10 GPM</td>
</tr>
<tr>
<td>11-11 GPM</td>
<td>12-12 GPM</td>
</tr>
<tr>
<td>13-13 GPM</td>
<td></td>
</tr>
</tbody>
</table>

5 Flow Control Cover

(Pressure port - .750-16 straight thread)

6 Shaft Extension Type

For 10-13 GPM units:
1 – Straight keyed (standard)
3 – Threaded
6 – Straight Stub
10 – Threaded Straight Stub
11 – Splined
12 – Splined

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.

8 Flow Rate thru Orifice in Cover

<table>
<thead>
<tr>
<th>Flow</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 - 2 GPM</td>
<td>7 - 7 GPM</td>
</tr>
<tr>
<td>3 - 3 GPM</td>
<td>8 - 8 GPM</td>
</tr>
<tr>
<td>4 - 4 GPM</td>
<td>9 - 9 GPM</td>
</tr>
<tr>
<td>5 - 5 GPM</td>
<td>10 - 10 GPM</td>
</tr>
<tr>
<td>6 - 6 GPM</td>
<td></td>
</tr>
</tbody>
</table>

9 Control Valve Pressure Setting

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>C - 750 PSI</td>
<td>H -2000 PSI</td>
</tr>
<tr>
<td>D - 1000 PSI</td>
<td>J -2250 PSI</td>
</tr>
<tr>
<td>E - 1250 PSI</td>
<td>K -2500 PSI</td>
</tr>
<tr>
<td>F - 1500 PSI</td>
<td>L -2750 PSI</td>
</tr>
<tr>
<td>G- 1750 PSI</td>
<td></td>
</tr>
</tbody>
</table>

10 Design

11 Special Suffix Feature

(Omit if not required.)

12 Left Hand Rotation

(Viewed from shaft end)

(Omit for right hand rotation.)