VARIABLE-DISPLACEMENT DOUBLE VANE PUMP (HVP-VCC1)

### Features
Two variable displacement vane pumps (HVP-VC1 series) are assembled into one unit and driven by one motor.

### Cautions on use
Please read the Operating Manual carefully to ensure correct usage.
- Standard pressure-displacement characteristics are those of the fixed displacement type (A type).
- Direction of rotation is to right (CW) viewed from the shaft end.
- For performance of each pump, refer to the single pump (A-11).
- The pump can be used for R&O type and abrasion-resistant type hydraulic fluid applications.

Please read the “Cautions on Using Pumps and Motors”, A-2 and A-3 pages.

### Description of the model designation

#### HVP-VCC1-F26-26A1A1-C

- **Head side pump**: HVP-VC1
- **Shaft side pump**: HVP-VC1
- **Rated pressure**: 3.5 MPa
- **Mounting method**: F: Flange type
- **Pressure adjustment screw**: CG160A3
- **Discharge rate adjustment screw**: G125A2 A: Fixed displacement type

Max. discharge rate at head side pump (L/min) 322.5

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Head-side pump</th>
<th>Shaft-side pump</th>
<th>Rotating speed (min⁻¹)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Discharge rate under no load (L/min)</td>
<td>Pressure adjustment range MPa</td>
<td>Discharge rate under no load (L/min)</td>
</tr>
<tr>
<td>HVP-VCC1-L26-26A1A1-C</td>
<td>26</td>
<td>0.8 to 1.8</td>
<td>1,800</td>
</tr>
<tr>
<td>HVP-VCC1-L26-26A1A2-C</td>
<td>26</td>
<td>1.4 to 3.5</td>
<td>1,800</td>
</tr>
<tr>
<td>HVP-VCC1-F26-26A1A2-C</td>
<td>26</td>
<td>3 to 7</td>
<td>1,800</td>
</tr>
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<td>HVP-VCC1-L26-26A2A3-C</td>
<td>26</td>
<td>1.4 to 3.5</td>
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<td>1,800</td>
</tr>
<tr>
<td>HVP-VCC1-L26-26A3A3-C</td>
<td>3 to 7</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>HVP-VCC1-F26-26A3A3-C</td>
<td>3 to 7</td>
<td>1,800</td>
<td>1,800</td>
</tr>
</tbody>
</table>

(Note) The discharge under no load shows the value at the rated speed.

### Outside dimensions

#### HVP-VCC1-L26-26A1A1-C

- **Mass**: 23kg

#### HVP-VCC1-F26-26A1A1-C

- **Mass**: 17.7kg

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Please read the Operating Manual carefully to ensure correct usage.

- Standard pressure-displacement characteristics are those of the fixed displacement type (A type).
- Direction of rotation is to right (CW) viewed from the shaft end.
- For performance of each pump, refer to the single pump (A-11).
- The pump can be used for R&O type and abrasion-resistant type hydraulic fluid applications.

Please read the “Cautions on Using Pumps and Motors”, A-2 and A-3 pages.
VARIABLE-DISPLACEMENT DOUBLE VANE PUMP (HVP-VCD1)

Features
Two variable displacement vane pumps (HVP-V series) are assembled into one unit and driven by one motor.

Cautions on use
Please read the Operating Manual carefully to ensure correct usage.

- Standard pressure-displacement characteristics are those of the fixed displacement type (A type).
- Direction of rotation is to right (CW) viewed from the shaft end.
- For performance of each pump, refer to the single pump (A-11).
- Install a pump of larger capacity at the shaft side in the assembly.
- The pump can be used for R&O type and abrasion-resistant type hydraulic fluid applications.
- Please read the “Cautions on Using Pumps and Motors”, A-2 and A-3 pages.

Description of the model designation

HVP-VCD1-F26-45A1A1-C

- Head side pump: HVP-VC1
- Shaft side pump: HVP-VD1
- Rated pressure: F: Flange type
- Discharge rate under no load (L/min)
- Discharge rate adjustment screw
- Mounting method: F: Flange type
- Max. discharge rate at head side pump (L/min)

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Head-side pump</th>
<th>Shaft-side pump</th>
<th>Rotating speed (min⁻¹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVP-VCD1-F26-45A1A1-C</td>
<td>Discharge rate under no load (L/min)</td>
<td>Pressure adjustment range (MPa)</td>
<td>Discharge rate under no load (L/min)</td>
</tr>
<tr>
<td></td>
<td>0.8 to 1.8</td>
<td>0.8 to 1.8</td>
<td>1.4 to 3.5</td>
</tr>
<tr>
<td>HVP-VCD1-F26-45A1A2-C</td>
<td>26</td>
<td>1.4 to 3.5</td>
<td>45</td>
</tr>
<tr>
<td>HVP-VCD1-F26-45A1A3-C</td>
<td></td>
<td></td>
<td>3 to 7</td>
</tr>
<tr>
<td>HVP-VCD1-F26-45A2A1-C</td>
<td></td>
<td></td>
<td>0.8 to 1.8</td>
</tr>
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<td></td>
<td></td>
<td>3 to 7</td>
</tr>
</tbody>
</table>

(Note) The discharge under no load shows the value at the rated speed.

Outside dimensions

HVP-VCD1-F26-45A1A1-C

- Pressure adjustment screw (CW: Increases pressure.)
- Model No.
- Pressure adjustment range of shaft side pump
- Pressure-discharge rate characteristics of shaft side pump
- Pressure adjustment range of head side pump
- Pressure-discharge rate characteristics of head side pump
- Max. discharge rate of shaft side pump (L/min)

Mass: 31.5 kg
**VARIABLE-DISPLACEMENT DOUBLE VANE PUMP (HVP-VDD1)**

### Features
Two variable displacement vane pumps (HVP-VD1 series) are assembled into one unit and driven by one motor.

### Cautions on use
- Please read the Operating Manual carefully to ensure correct usage.
- Standard pressure-displacement characteristics are those of the fixed displacement type (A type).
- Direction of rotation is to right (CW) viewed from the shaft end.
- For performance of each pump, refer to the single pump (A-11).
- The pump can be used for R&O type and abrasion-resistant type hydraulic fluid applications.
- Please read the “Cautions on Using Pumps and Motors”, A-2 and A-3 pages.

### Description of the model designation
- **HVP-VDD1-F45-45A1A1-C**
- **Max. discharge rate at head side pump (L/min)**

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Head-side pump</th>
<th>Shaft-side pump</th>
<th>Rotating speed min⁻¹</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Discharge rate under no load (L/min)</td>
<td>Pressure adjustment range (MPa)</td>
<td>Discharge rate under no load (L/min)</td>
</tr>
<tr>
<td>HVP-VDD1-F45-45A1A1-C</td>
<td>45</td>
<td>0.8 to 1.8</td>
<td>45</td>
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<tr>
<td>HVP-VDD1-F45-45A1A2-C</td>
<td>45</td>
<td>1.4 to 3.5</td>
<td>45</td>
</tr>
<tr>
<td>HVP-VDD1-F45-45A1A3-C</td>
<td>45</td>
<td>3 to 7</td>
<td>45</td>
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<td>3 to 7</td>
<td>45</td>
</tr>
</tbody>
</table>

(Note) The discharge under no load shows the value at the rated speed.

### Outside dimensions

- **HVP-VDD1-F45-45A1A1-C**
- **Max. discharge rate at head side pump (L/min)**

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