Vertical pump
V-2.2-5 to V-8.8-9

Materials: PP and PVDF
Immersion depth: 270 and 400 mm
Flow rate: 1 to 10 m³/h
Delivery head: up to 9 m LQ
Motor power: 0.12 to 0.55 kW

Some typical applications:
- Gas and fume scrubbers,
- filtration of liquids,
- production of semiconductors and solar cells,
- use in coating plants,
- operation of water treatment plants,
- purging applications,
- PCB processing equipment,
- electroplating equipment,
- general mixing and circulation tasks,
- redox flow applications,
- disinfection systems.

<table>
<thead>
<tr>
<th>Type</th>
<th>Motor power kW</th>
<th>Rated current 400V-3ph, 50Hz</th>
<th>connection pressure side d/DN</th>
<th>Weight kg</th>
<th>Immersion depth mm</th>
<th>Suction extension mm</th>
<th>Q max. m³/h</th>
<th>H max. m LQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-2.2-5</td>
<td>0.12</td>
<td>0.5</td>
<td>25/20</td>
<td>6</td>
<td>270</td>
<td>up to 400</td>
<td>2.2</td>
<td>4</td>
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<tr>
<td>V-3.3-5</td>
<td>0.18</td>
<td>0.5</td>
<td>25/20</td>
<td>7</td>
<td>270</td>
<td>up to 500</td>
<td>3.3</td>
<td>5</td>
</tr>
<tr>
<td>V-4.2-5</td>
<td>0.25</td>
<td>0.7</td>
<td>25/20</td>
<td>8</td>
<td>270</td>
<td>up to 600</td>
<td>4.2</td>
<td>5</td>
</tr>
<tr>
<td>V-5.5-6</td>
<td>0.37</td>
<td>1.1</td>
<td>25/20</td>
<td>9</td>
<td>270</td>
<td>up to 800</td>
<td>5.5</td>
<td>6</td>
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<tr>
<td>V-2.4-6</td>
<td>0.18</td>
<td>0.5</td>
<td>32/25</td>
<td>11</td>
<td>400</td>
<td>up to 700</td>
<td>2.4</td>
<td>6</td>
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<tr>
<td>V-4.4-7</td>
<td>0.25</td>
<td>0.7</td>
<td>32/25</td>
<td>12</td>
<td>400</td>
<td>up to 900</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>V-7.5-8</td>
<td>0.37</td>
<td>1.1</td>
<td>32/25</td>
<td>13</td>
<td>400</td>
<td>up to 1000</td>
<td>7.5</td>
<td>8</td>
</tr>
<tr>
<td>V-8.8-9</td>
<td>0.55</td>
<td>1.5</td>
<td>32/25</td>
<td>14</td>
<td>400</td>
<td>up to 1000</td>
<td>8.8</td>
<td>9</td>
</tr>
</tbody>
</table>

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**Vertical pump**

**V-2.2-5 to V-8.8-9**

Water temperature 20°C
2900 rpm, 50 Hz

1. V-2.2-5 (0.12 kW)
2. V-3.3-5 (0.18 kW)
3. V-4.2-5 (0.25 kW)
4. V-5.5-6 (0.37 kW)

Water temperature 20°C
2900 rpm, 50 Hz

1. V-2.4-6 (0.18 kW)
2. V-4.4-7 (0.25 kW)
3. V-7.5-8 (0.37 kW)
4. V-8.8-9 (0.55 kW)
NEES chemical vertical pumps are used to reliably and safely transfer aggressive or highly corrosive fluids and wastewater.

**Ever-growing demands** on the pumps, high runtime expectations, enhanced **energy efficiency**, and highest **product safety**: These challenges drive us to constantly improve and redefine the existing standards.

**100% product safety** for people and equipment is a principle we will not compromise in the sophisticated design of our pumps. Thanks to their innovative and proven construction, vertical NEES pumps **V-2.2-5 to V-8.8-9** are very energy efficient, robust, versatile and **absolutely dry-run safe**. The compact design safe place in your equipment. Low-vibration operation, insensitivity to solid parts and very low pressure losses distinguish this pump. The pump can also transfer solid matter directly from pump sumps, wells, containers or basins.

**Characteristics:**
- All wetted parts are made of PP or PVDF (no metal-to-liquid contact)
- Without intermediate bearing, therefore absolutely safe to dry run
- Motor with multi-range voltage
- Special paint for use in aggressive atmosphere, Motor fan cover made of PP
- Reinforced motor ball bearings and extended shaft for stability and longevity
- Abrasion-free, therefore suitable for high purity applications
- Compact and energy efficient design
- Low maintenance, therefore cost-effective operation
- Pressure side fittings available with inserts made of PP, PVDF or CPVC

**Optionally available**
- Suction extensions
- Intermediate filter
- Hose connectors
- Special connections
- FIP fittings

**We'll happy to advise you**

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