Hose Pump SP-550-F

Application areas:
- Special foundation engineering, Tunnelling (bored pile, cut-off wall, jet grouting)
- Biogas production
- Chemical industry
- Ceramic and Porcelain industry

Pumping of:
- Bentonite slurries, drilling fluids, sealing wall slurries, groundwater, mortar, slurries, dirty water; cement, fly ash or other solid-containing slurries
- Return suspensions
- Slurries
- Biomasses, Press water

Technical Data / Performance Data *

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow rate</td>
<td>5 - 12 m³/h (continuously adjustable)</td>
</tr>
<tr>
<td>Discharge pressure</td>
<td>max. 6 bar</td>
</tr>
<tr>
<td>Suction pressure</td>
<td>max. 8 bar</td>
</tr>
<tr>
<td>Solids grain size</td>
<td>max. 16 mm</td>
</tr>
<tr>
<td>Medium temperature</td>
<td>50 °C</td>
</tr>
<tr>
<td>Nominal diameter of hose</td>
<td>50 mm</td>
</tr>
<tr>
<td>Suction connection</td>
<td>Storz C</td>
</tr>
<tr>
<td>Pressure connection</td>
<td>Storz C</td>
</tr>
<tr>
<td>Power connection</td>
<td>CEE-plug 16 A, 5-pole</td>
</tr>
<tr>
<td>Power input</td>
<td>4,0 kW</td>
</tr>
<tr>
<td>Voltage</td>
<td>400 V, 50 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>0.63 x 0.69 x 1.12 m (L x W x H)</td>
</tr>
<tr>
<td>Weight</td>
<td>approx.170 kg</td>
</tr>
</tbody>
</table>

*) The stated values are approximate values and refer to the pumping of water with 18 °C. Conditionally by abrasion of the hose pump, unfavourable suction, pressure conditions and influence of viscosity of the pumping medium may differ the actual performance data from the specified data.
**Product Information**

**Hose Pump SP-550-F**

### Features:

- **Pump housing** with housing cover in standard steel version
- **Moveable pump frame** (rubber tires)
- **Pump drive** with rotor bearing and flange bearing in the housing cover; three-phase motor with frequency converter
- **Pump rotor** with rotatable mounted pressure rollers
- **Steel pressure roles** with roller bearings and eccentric adjustment (wear compensation of hose pump)
- **Concrete bucket** (storage tank) with conical outlet
- **Electrical function and power control** with the following display and control elements:
  - Main switch ON/OFF
  - Pump ON/OFF
  - Potentiometer for flow rate adjustment [0 – 100%]
  - Selector switch reversing operation (forward/backwards)

### Accessories (not included in delivery):

- Suction filters / suction tubes
- Suction and discharge hoses
- Suction and pressure connections in Storz or Perrot
- Frequency converter

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