Vertical Space Miser Pumps

**PACO VSM/VSMS**

With the smallest footprint in industry, the Grundfos VSM and VSMS vertical space miser pumps offer unique versatility for retrofit projects and small spaces.

**VSM Models (Close Coupled)**
The VSM features a one-piece registered fit bracket and seal housing which prolongs the life of the mechanical seals and bearings. The pump includes a shaft sleeve and industry standard JM frame motor.

**VSMS Models (Axially Split)**
The VSMS features an axially split, rigid spacer coupling which allows for simple alignment, service and replacement of mechanical seals without removing the motor. The pump includes a registered fit bracket and a stainless steel shaft that eliminates oxidation. VSMS models are available with an industry-standard NEMA TC frame motor.

**Key Features and Benefits**

- Same-size, vertically mounted suction and discharge connections simplifies piping while vertical flanges eliminate the need for a suction-diffuser, making installation quick and easy

- Vertically mounted motor and piping create a compact design with minimal footprint making it ideal for retrofits and small space applications

- Double volute, top pull out design allows quick removal of rotating assembly without disturbing the volute or piping

- Ductile iron pump stand eliminates the need for grouting and laser alignment, allowing for simple installation

- Axially split spacer couplings allow for easy replacement of mechanical seal without removing the motor (VSMS)

- Replaceable case wear rings and shaft seals prolong the life of the pump and protect it from erosion

- Francis Vane impellers and contoured suction vanes increase pump efficiency and reduce vibration and noise

- Hydraulic double volute design reduces radial loads, internal recirculation and turbulence, resulting in a longer pump life span and a higher operation efficiency

**APPLICATIONS**

- Chilled water
- Hot water
- Condensed water
- Service water
- District heating/cooling
- Pressure boosting
VSM/VSMS Technical Data

**VSM/VSMS Information**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Flow, Q:</td>
<td>max. 4,100 gpm</td>
</tr>
<tr>
<td>Head, H:</td>
<td>max. 400 feet</td>
</tr>
<tr>
<td>Fluid temp.:</td>
<td>max. 275° F</td>
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<tr>
<td>Working press.:</td>
<td>max. 300 psi</td>
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<tr>
<td>HP range:</td>
<td>max. 125 Hp</td>
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<tr>
<td>Discharge sizes:</td>
<td>4 to 10 in.</td>
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