

## Vertical Space Miser Pumps

# 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

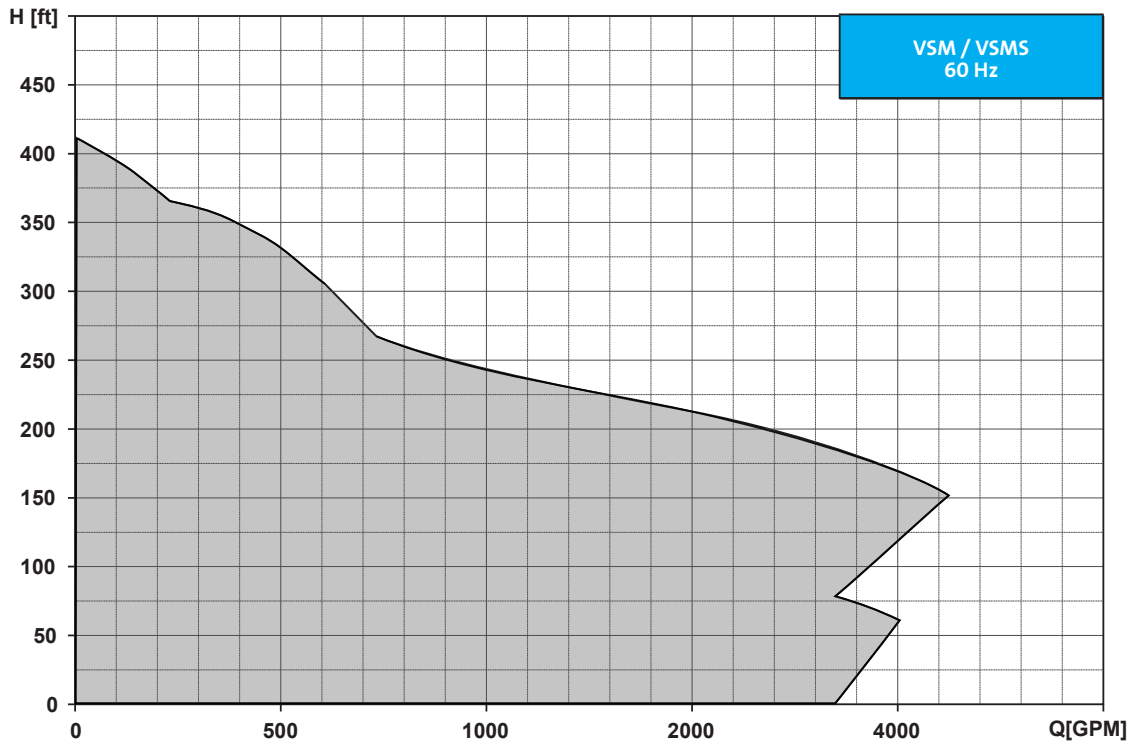
### APPLICATIONS

- Chilled water
- Hot water
- Condensed water
- Service water
- District heating/cooling
- Pressure boosting

**TECHNICAL DATA**

VSM/VSMS	
FLOW, Q:	max. 4100 gpm
HEAD, H:	max. 400 ft
LIQUID TEMPERATURE:	max. 275°F
WORKING PRESSURE:	max. 300 psi
HP RANGE:	max. 125 hp
DISCHARGE / SUCTION SIZES:	4 in to 10 in

**PERFORMANCE DATA**



Visit [grundfos.us/pei](http://grundfos.us/pei) to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.