

GWT SMVT

SURFACE MOUNT VERTICAL TURBINE



FEATURES

- Flow range from 50 GPM through 850 GPM
- Dynamic Head up to 880 feet.
- Hydraulic efficiency up to 80%
- Horsepower range from 5HP to 75HP.
- Motor available in ODP or TEFC.
- Temperature range from -13°F to 150°F
- Equipped with a **high thrust NEMA C-Face motor** to carry the maximum hydraulic thrust loads under all operating conditions.
- Pumps are available with standard **ODP or TEFC motors**.
- The suction and discharge connections are
 - ANSI 3 inch 125# or 250# flange
 - ANSI 4 inch 125# or 250# flange
- Design includes enhanced impeller metallurgy as standard, **investment cast stainless steel** suitable for potable water applications, and **optional stainless steel flanged casing**.
- Cast iron bowls are **glass-lined** for maximum efficiency and wear protection.
- Heavy duty cast iron, fabricated steel, and stainless steel major components.
- Slip-fit suction cover minimizes the impact of tensile stress on the bowl units. This design feature maximizes the service life of the pump, specifically for applications with frequent on/off cycles.
- Two-piece shaft coupling allows for **replacement of mechanical cartridge type seal without removing motor**. Coupling is precision balanced for vibration-free operation.

Component Description	Material	ASTM Specifications
Motor Support	Cast Iron	A48 Class 30
Shaft Coupling	Cast Iron	A48 Class 30
Mechanical Seal	Type 316SS, Carbon Silicon Carbide	
Seal Cover	Cast Iron	A48 Class 30
Casing	Steel or Type 316SS	A53 Grade A or A312 S31600
Casing and Suction O-ring	Nitrile	D2000 2BG715B14
Pump Shaft	Type 416SS	A582 S41600
Intermediate Bowl	Cast Iron	A48 Class 30
Bowl Bearing	Bronze	B854 C90300
Impeller	Type 316SS	A744 CF8M
Taperlock	Type 316SS	A276 S31600
Suction Cover	Cast Iron	A48 Class 30
Pump Body	Cast Iron	A48 Class 30
Hex Head Capscrew	Steel	SAE J429 Gr. 8
Socket Head Capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe Plug	Malleable Iron	A197

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COMPARED TO GWT e-SV

COMMON ADVANTAGES (SMVT AND E-SV)

Many configurable options

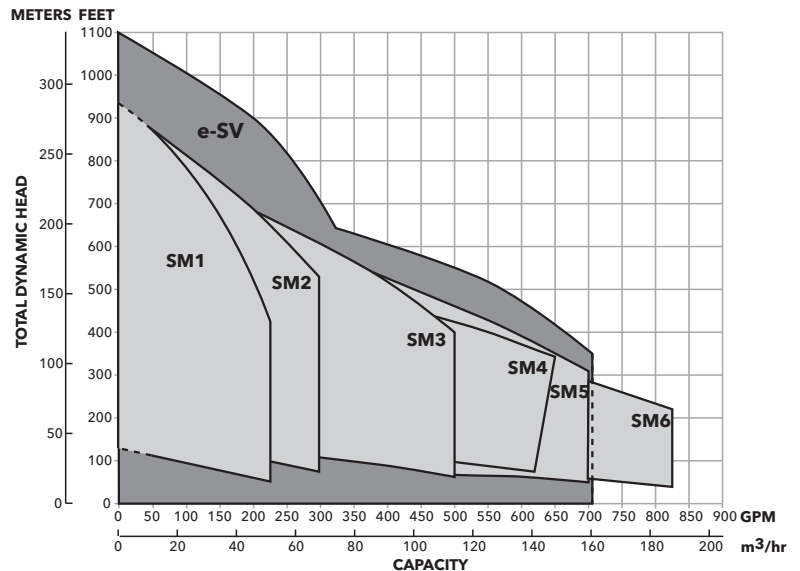
- 3500 RPM and 1750 RPM Hydraulics
- Cast Iron flanges 125/250# available... accommodating larger flange loads
- Horizontal / Vertical orientation...reducing operation footprint
- Varying materials of constructions aligned to application needs
- Ease of mechanical seal replacement without removing motor
- Premium Efficiency motor offering
- Certified testing option

SMVT Advantages:

- Efficiency up to 80%
- Flow range to 825 GPM
- Designed to accommodate erosion allowance
- Solids handling capability
- Accommodate End-user's hydraulic needs with special trims and varying staging

e-SV Advantages:

- 11 models to optimize hydraulic coverage
- Standardize all Stainless construction
- Temperature range to 250°F as standard (optional 350°F max.)
- i-Alert (vibration detector) integration
- Standard 5-day production lead-times



TYPICAL APPLICATIONS

Commercial Applications:

- Booster Units • High Rise Building Water • HVAC

Municipal Applications:

- Package Pump Stations • Booster Stations
- Water Treatment

Irrigation Applications:

- Turf Irrigation • Golf Courses, Stadiums
- Greenhouses/ Nurseries • Sprinkler

For more information, visit us at:
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Let's Solve Water