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.

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<th>ASTM Specifications</th>
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<td>Shaft Coupling</td>
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<td>Casing</td>
<td>Steel or Type 316SS</td>
<td>A53 Grade A or A312 S31600</td>
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<td>Nitrile</td>
<td>D2000 2BG715B14</td>
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<td>Pipe Plug</td>
<td>Malleable Iron</td>
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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 250ºF as standard (optional 350ºF 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:
www.xyleminc.com/brands/gouldswatertechnology