



**VANCS - SERIES - PU**  
 [FRP] SEMI-VORTEX - SEWAGE & WASTE WATER PUMPS

**SPECIFICATIONS**

**FEATURES**

1. Semi-vortex , FRP (Fiberglass Reinforced Plastic), impeller passes solids and stringy material without clogging and increases wear resistance when pumpage contains abrasive particles.
2. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber and further protected by a lip seal, provides for the most durable seal design available.
3. Highly efficient, continuous duty, air filled, copper wound motor with class E, insulation minimizes the cost of operation.
4. Built in thermal & amperage sensing, protector prevents motor failure due to overloading, single phasing (in three phase units), or accidental run -dry conditions.

5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours, extends operational life.
6. Utilization of application appropriate FRP & stainless steel components increases corrosion resistance in a wide variety of applications.

**APPLICATIONS**

1. Residential, commercial, industrial sewage, effluent, wastewater and site drainage.
2. Chemical spill containment.
3. Decorative waterfalls, fountains and fish ponds.



**SPECIFICATIONS**

Discharge Size  
 Horsepower Range  
 Performance Range Capacity  
 Head  
 Maximum water temperature  
 Materials of Construction  
 Casing (upper)/(lower)  
 Impeller  
 Shaft  
 Motor Frame  
 Fasteners

Mechanical Seal  
 Elastomers

Impeller Type  
 Solids Handling Capability

Bearings

Motor Nomenclature  
 Type, Speed, Hz.  
 Voltage, Phase  
 Insulation

Accessories  
 Operational Mode

**STANDARD**

2~3" N.P.T. (50 ~ 80mm)  
 1/5 ~ 5Hp. (.15 ~ 3.7 KW)  
 13.2 ~ 240.4 G.P.M. (.05 ~ .91 m<sup>3</sup>/min)  
 5.7 Ft. ~ 86.9 Ft. (1.75 ~ 26.50 m)  
 104° F. (40° C.)

FRP (ABS + w/GF 20 or 30) / ABS  
 FRP (PPO + w/GF 20 or 30)  
 304 Stainless Steel  
 304 Stainless Steel  
 304 Stainless Steel

Silicon Carbide  
 NBR (Nitril Buna Rubber)

Semi-Vortex, solids handling.  
 1.38 -1.81" (35 - 46 mm)

Pre-lubricated, Double Shielded

Air Filled, 3600 Rpm, 60 Hz.  
 115 or 230 V., 1 Ph.,  
 208-220, 230, 460, or 575 V . 3 Ph.  
 Class E

Submersible Power Cable 32' (10 m)  
 Manual

**OPTIONS**

Length as Required

Model A (Automatic), Model AW (Automatic Alternating)  
 TOK ( FRP) Slide rail system