PUMP SPECIFICATIONS
SGW 12.50

THERMOPLASTIC SUMP-GARD® SGW VERTICAL CENTRIFUGAL PUMP

- **GENERAL**
  Pumps to be constructed with all wetted components of polyvinyl chloride (PVC) polypropylene (PP), or polyvinylidene fluoride (PVDF) thermoplastic materials. Flows to 220 GPM ($50m^3$/hr). Heads to 125 Ft (38m). Temperatures to 275°F (135ºC). Sumps depths to 2 Ft (0.6m)

- **CASING AND CASING COVER**
  Injection molded homogeneous thermoplastic material selected for compatibility with the fluids being pumped.

- **IMPELLER**
  Thermoplastic material injection molded with an embedded dynamically balanced stainless steel insert with radial vanes. It shall be closed or semi open vane designed, with a keyway for mounting on the shaft to assure positive drive.

- **SHAFT**
  Stainless steel shaft sleeved with a thermoplastic material to isolate it from the fluid. Shaft to be rigid coupled, above the coverplate to the motor shaft and secured by a sliding coupling ring.

- **VERTICAL SUPPORT COLUMN AND DISCHARGE PIPE**
  Molded of heavy-sectioned thermoplastic. The upper portion of the column to be fitted with a nonmetallic vapor seal to protect motor, and ball bearings in mounting bracket.

- **COVER PLATE**
  Sized and shaped to fit the sump, and furnished in the same or compatible thermoplastic material as the pump. All hardware below the coverplate to be nonmetallic.

- **SUCTION STRAINER**
  Strainer basket to be provided where required in the same material as the hydraulic head.

- **FACTORY TESTING**
  Each pump to be tested to assure performance at conditions of service. Test data to be permanently recorded and retrievable on request.

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