THERMOPLASTIC SUMP-GARD® SGW VERTICAL CENTRIFUGAL PUMP

- **GENERAL**
  Pump 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). Sump 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 semiopen vane design, with 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 rigidly 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 to be incorporated in molded casing.

- **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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