PUMP SPECIFICATIONS
SGH 12.40

THERMOPLASTIC SUMP-GARD® SGH
HOLLOW SHAFT
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 350 GPM ($80m^3$/hr). Heads to 180 Ft (55m). Temperatures to 275°F (135ºC). Sump depths to 3 Ft (0.9m).

- **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 keyway for mounting on the shaft to assure positive drive.

- **SHAFT**
  Dynamically balanced stainless steel integral motor/pump shaft sleeved in the wet end with a thermoplastic material to isolate it from the fluid. Shaft to be supported above the coverplate by large diameter ball bearings.

- **VERTICAL SUPPORT COLUMN AND DISCHARGE PIPE**
  Fabricated of heavy-sectioned thermoplastic. The upper portion of the column to be fitted with a nonmetallic vapor seal to protect motor.

- **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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