THERMOPLASTIC CHEM-GARD® CGA ANSI HORIZONTAL END SUCTION CENTRIFUGAL PUMP

- **GENERAL**

  Pump to comform to ANSI B73.1 process pumps standards, and be constructed with all wetted components of polyvinyl chloride (PVC) chlorinated polyvinyl chloride (CPVC) polypropylene (PP), and polyvinylidene fluoride (PVDF) or ethylene chlorotrifluoroenthylene (ECTFE) homogeneous thermoplastic materials. Flows to 1450 GPM (330m^3/hr). Heads to 400 Ft (122m). Temperatures to 275°F (135ºC).

- **CASING, CASING COVER AND FLANGES**

  Injection molded homogeneous thermoplastic material selected for compatibility with the fluids being pumped. These are to be solid, not lined, components. Casing and flanges to be metal armored to sustain the same nozzle loadings as metal pumps.

- **IMPELLER**

  Thermoplastic material injection molded with an embedded dynamically balanced stainless steel insert with radial vanes. It shall be of semi open design, with keyway for mounting on the shaft to assure positive drive.

- **DRIVE PEDESTAL**

  Designed with a wide open seal area, sized to accommodate reverse mounted single or double mechanical seals. It shall incorporate a set of parallel sliding bars to permit easy adjustment and positioning of the front bearing assembly without disturbing shaft alignment. Pedestal to incorporate back pullout design per ANSI specification.

- **SHAFT AND BEARING ASSEMBLIES**

  Precision machined, stainless steel with the wetted end sleeved in thermoplastics. It shall be guided by two heavy-duty self-aligning bearings widely spaced for maximum stability and extended life.

- **EXTERNAL ARMOR**

  Cast iron protective armor surrounding the pump casing to be painted with two-part chemical resistant epoxy resin or similar coating material.

- **FACTORY TESTING**

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