PUMP SPECIFICATION
CGC 11.40

Revised 7/12

THERMOPLASTIC CHEM-GARD® CGC
CLOSE-COUPLED
HORIZONTAL CENTRIFUGAL PUMP

- **GENERAL**

  Pump to be closed coupled, compact design and constructed with all wetted components of polypropylene (PP) or polyvinylidene fluoride (PVDF) homogeneous thermoplastic materials. Flows to 640 GPM (145m^3/h). Heads to 170 Ft (52m). Temperatures to 275°F (135ºC). Available in tangential and centerline discharge designs.

- **CASING, CASING COVER AND FLANGES**

  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. Semiopen or closed vane design, with keyway for mounting on the shaft to assure positive drive.

- **CONNECTING BRACKET**

  Designed to accommodate Standard "C" face motors, incorporating wide open seal area to permit use of reverse mounted single or double mechanical seals.

- **SHAFT AND BEARING ASSEMBLIES**

  Precision machined, steel shaft with wetted end sleeved in thermoplastics. Shaft bearings to be lubricated by direct product flush and positioned to minimize shaft deflection..

- **EXTERNAL ARMOR**

  Cast iron protective armor surrounding the pump casing to be painted 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.