

**THERMOPLASTIC CHEM-GARD® CG  
HORIZONTAL CENTRIFUGAL PUMP**

- **GENERAL**

Pump constructed with all wetted components of polyvinyl chloride (PVC), chlorinated polyvinyl chloride (CPVC), polypropylene (PP), polyvinylidene fluoride (PVDF) or ethylene chlorotrifluoroethylene (ECTFE) homogeneous thermoplastic materials. Flows to 900 GPM (204m<sup>3</sup>/h). Heads to 185 Ft (122m). Temperatures to 275°F (135°C).

- **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.

- **IMPELLER**

Thermoplastic material injection molded with an embedded dynamically balanced stainless steel insert with radial vanes. Semiopen vane design, with keyway for mounting on the shaft to assure positive 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.

- **SHAFT AND BEARING ASSEMBLIES**

Precision machined, stainless steel shaft with wetted end sleeved in thermoplastic. Shaft to be guided by two 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.