GENERAL DESCRIPTION
Chemsteel pumps are designed to handle common and highly corrosive liquids that must be pumped under pressure. Manufactured to extremely precise tolerance, the Chemsteel pump line prevents system contamination while maintaining the purity and integrity of the liquid being pumped. Its rugged, three-section, o-ring thru-bolt construction provides ease of servicing and parts replacement.

Additionally, Chemsteel pumps offer bi-directional operation for applications requiring reversing flow.

LIFE CYCLE/COST OF OWNERSHIP
Pump design and materials selection together provide the longest life available from a gear pump. Key attributes include:
- Slotted bearings to lubricate shaft and gear surfaces.
- Hydraulic porting to balance axial thrust and to reduce wear.
- Ample port sizing to reduce the likelihood of cavitation when inlet pressure is marginal.
- Effective housing seals with elastic memory prevent leakage of corrosives.

FEATURES:
- Stainless housing construction.
- Gears: Non-Galling Stainless Steel, Spur
- Shafts: hardened 440C stainless
- Bearings: Carbon
- Mechanical Seal options available: A, B, C, J, Z

FIT
Connections are 1/2” female NPT or BSPT, pump hardware is metric and close couple adapters mount to both NEMA and IEC standard motor frame sizes for worldwide acceptance. “Near” dimensional interchangeability offers easy upgrade to Chemsteel pump. The port size is the same as competitive pumps.
MAINTENANCE
A three-part housing provides easy disassembly and service. Full size bearings match the gear diameter, and eliminate the need for separate wear plates. TFE encapsulating silicone o-ring pump housing seals provide elastic memory to assure an effective long lasting seal and thus avoiding the re-torquing required of pumps using pure TFE. The upper shaft configuration lends itself to inline pump seal maintenance without the leakage of trapped chemicals from an incompletely drained pump.

To order a CHEMikit®, simply add a “K” to the end of the model number. A repair kit contains the following parts: seals, bearings, gears, o-rings, shafts, keys, c clips, and retaining ring.

CLOSE-COUpled DIMENSION

PEDESTAL MOUNT DIMENSIONS

1. These dimensions vary depending on hp, enclosure, speed and motor manufacturer. Specifications are subject to change without notification.

2. Dimension is approximated with packing nut installed.