

PUMP SPECIFICATIONS

Tecnum BKM series magnetically driven pump

- **GENERAL**

Pumps shall be built with end suction, top discharge in centrifugal pump design with magnetic drive, seal less construction. Pump flanges will be in ANSI design; 150# ANSI B16.5 or NPT threaded connections.

- **CASING AND IMPELLER**

The pump casing and impeller shall be made from one of two injection molded, reinforced thermoplastic materials depending on the chemistry of the pumpage with temperature ranges of -22 degrees F (-30 C) to 230 degrees F (110 C):

A. Polypropylene, glass reinforced w/ a ceramic shaft and carbon guide bushings.

(or)

B. E-CTFE (Halar), carbon filled w/ silicon carbide shaft and carbon guide bushings

- **MAGNETS**

The pump magnets are made from Neodymium Iron Boron. The pump magnetic drive system has a third magnetic field that is designed to position the impeller in a neutral location in case of dry running, minimizing friction.

- **MOTOR**

The pump shall be close coupled to the motor to insure proper shaft alignment and requires no further alignment after assembly. The pump shall be rated for the operating conditions on the data sheet. The motor shall be designed to meet the enclosure requirements on the motor data sheet.

- **FACTORY TESTING**

The pump shall be fully functional and performance tested at the factory with the motor to assure performance at the conditions of service. A test report will be provided upon completion.