

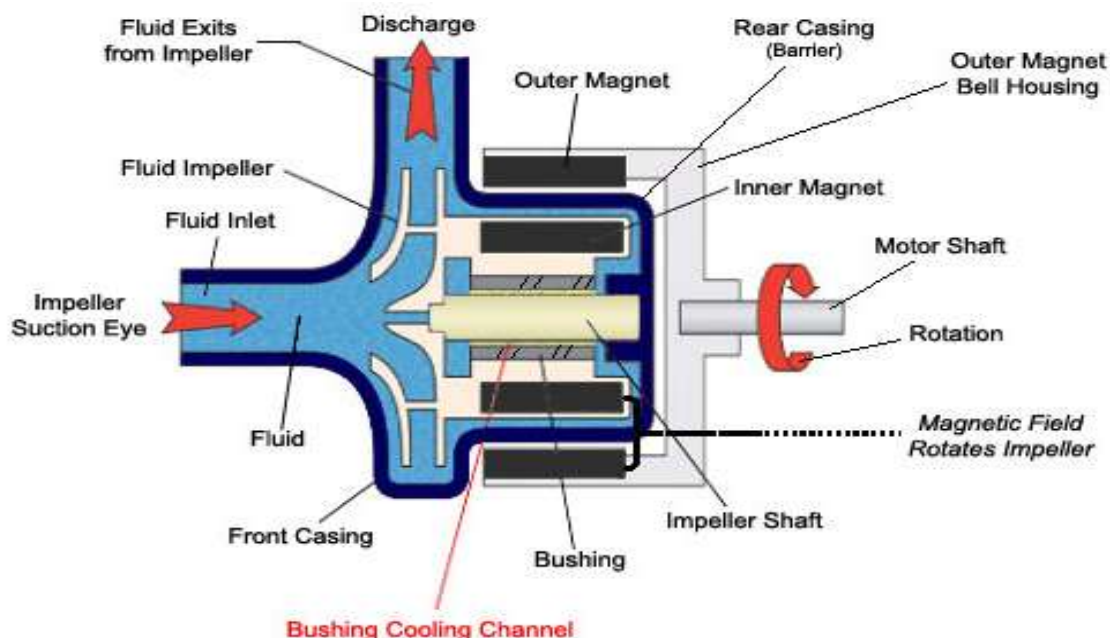
## MAGdrive Technology in Process Industries

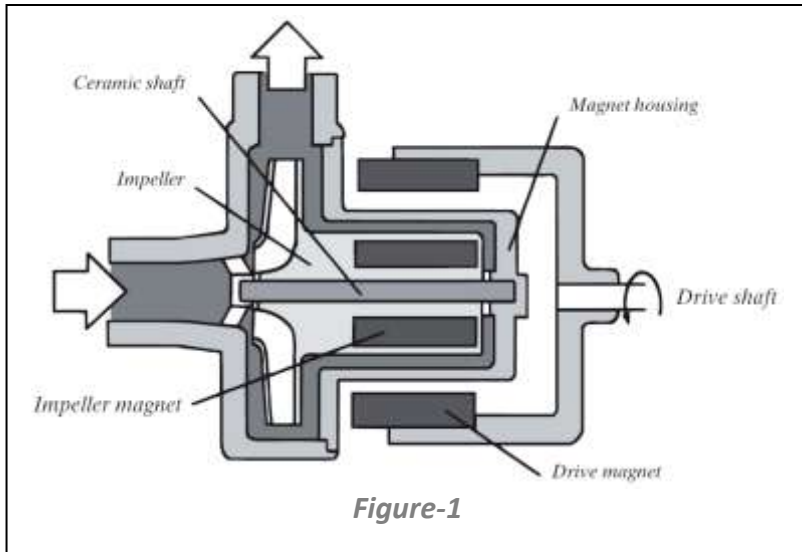
# No Leakage or Downtime Problems When Handling Sodium Hydroxide & Sodium Hypochlorite With **Neo-Mag** Thermoplastic Mag Drive Pumps.

Reported failures of conventional magnetically coupled metal and plastic lined metal pumps used in the chemical process industries and in municipal wastewater facilities have been traced to attack by **sodium hydroxide** and **sodium hypochlorite** as well as by corrosive acids. This has resulted in relatively short mean-time-between-failure (MTBF) and costly downtime.

Another reported reason for Mag Drive Pump failures are the narrow fluid channels in standard designs which make it difficult to supply sufficient flow of the fresh liquid required to keep the magnets and bearings cool. This leads to troublesome eddy currents and reduced efficiency.

The **Neo-Mag** magnetically Closed-Coupled design solves both of these problems. The Solid Glass Fiber Reinforced Polypropylene Casings, Bearing Housings and Impellers are Auto-Injection molded from virgin un-pigmented material inert to both the caustic and acidic fluids, so there is no chemical attack or deterioration. Secondly, the wide open fluid passages in the **Neo-Mag** design provide for the continuous flow of fresh liquid required to keep the magnets and bearings cool and assure maximum efficiency.





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