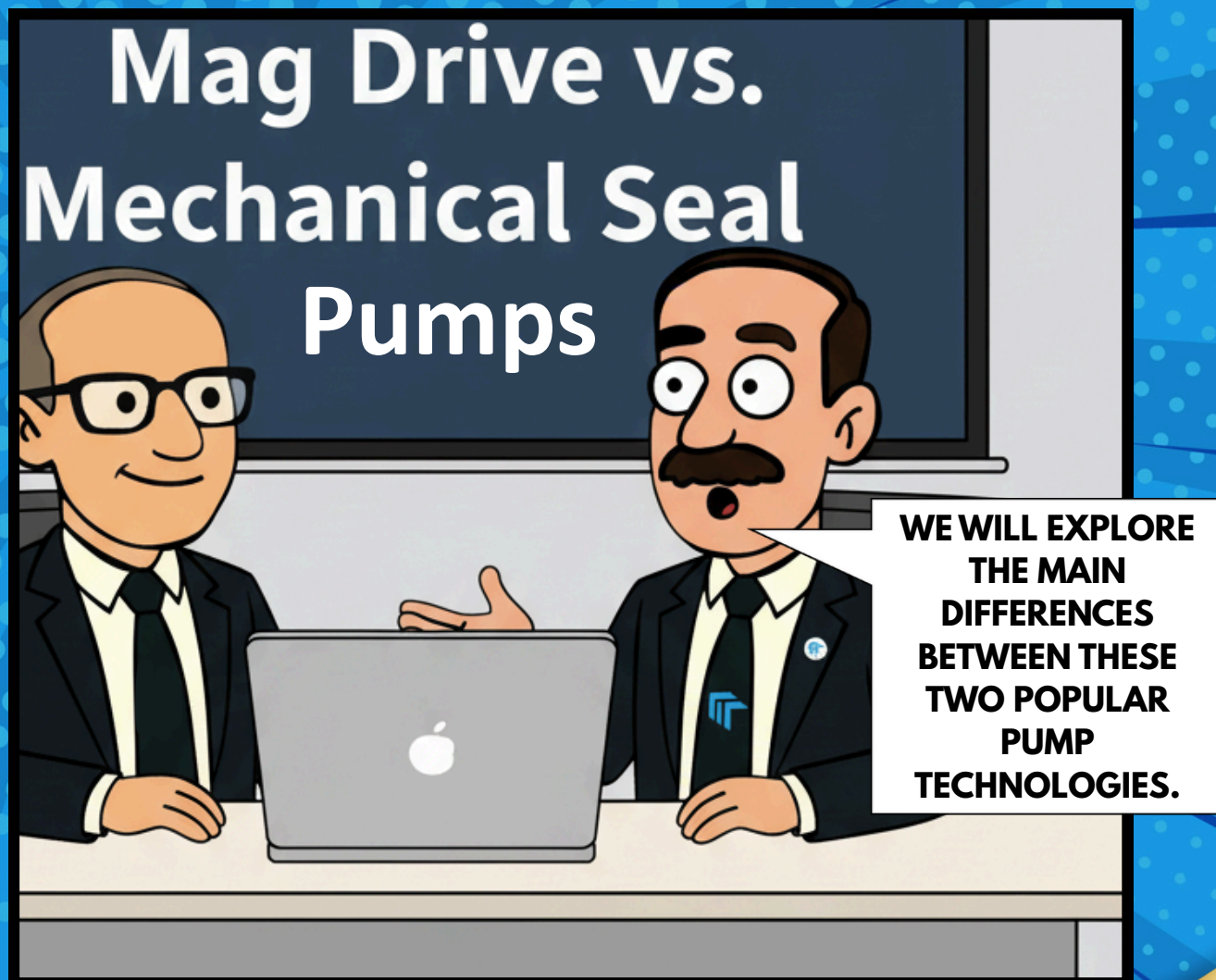


Vol.7

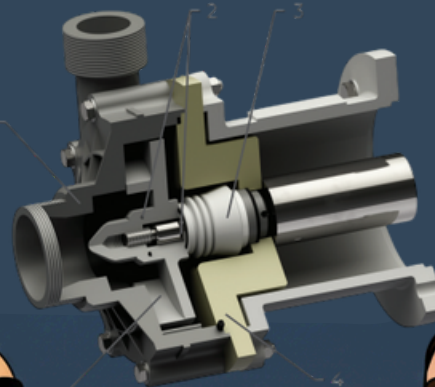
**MARK &
ROCK**

MAG DRIVE VS MECHANICAL SEAL

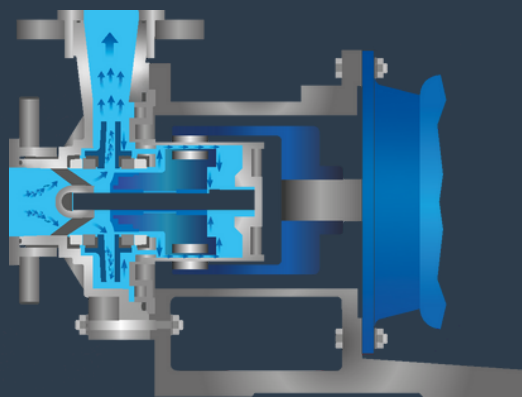


LET'S START WITH MECHANICAL SEAL PUMPS. THESE PUMPS USE A STATIC RING AND A SHAFT-MOUNTED ROTATING RING, WHICH SLIDE AGAINST EACH OTHER AND ARE LUBRICATED BY THE FLUID BEING PUMPED.

THIS IS THE PERFECT SOLUTION WHEN YOU HAVE LIQUIDS CONTAINING SOME SOLID PARTICLES



THE SEAL IS A WEARING PART AND IT IS NORMAL THAT AFTER SOME TIME YOU NEED TO REPLACE IT. BUT THIS CAN BE A PROBLEM WHEN YOU PUMP AGGRESSIVE OR DANGEROUS LIQUIDS.



THE SECTION YOU SEE ON THE BACKGROUND IS A MAG DRIVE PUMP. THESE PUMPS ARE SEAL-LESS. THE MOTION IS TRANSMITTED FROM THE MOTOR TO THE IMPELLER THROUGH TWO MAGNETIC JOINTS, THE INTERNAL MAGNET AND THE EXTERNAL MAGNET.

THE HYDRAULIC PART IS HERMETICALLY CLOSED. THAT MEANS ZERO LEAKAGE AND ZERO EMISSIONS!



