

How many years should my pump last?

Industry averages for submersible well pumps show that the MTBF (mean time between failure) is about 7 years. That being said, how the pump is installed can be critical to a long life. The installer needs to ensure that the pump is not too big for the well, is not dropped or damaged before being installed and is operating within the minimum/maximum head requirements dictated by the manufacturer. In addition, proper motor cooling needs to be ensured. While, yes the pump is submerged in water, often the water around the motor is not circulating sufficiently to meet the motor manufacturers cooling flow rates. This happens frequently when submersible pumps are installed in large diameter wells, tanks or cisterns. Fortunately, the solution is an inexpensive flow which extends the motor life of your pump for many years to come. In addition, motor protection should be installed on the surface. Motor protection involves using motor control devices that protect your pump from run- dry conditions, low/high voltage, power surges or rapid cycling. OPS is not average, pumps we install frequently outlast industry averages by 3-5 years!