

Question : *Will the Mechanical Seals not cause Maintenance Problems...?*

Answer:

- 1) Mechanical Seals are used to **Isolate** Water from entering the Motor.
- 2) Generally, most Pump Manufacturers use **Cheaper Seal Faces, Like**
 - 2.1 **Carbon** is very Soft & will Erode IF **water contains Silt / Abrasive fines.** 😞
 - 2.2 **Ceramic** is Thermally Unstable & **will Crack** if the pump is **run Accidentally Dry.** 😞
 - 2.3 **Tungsten Carbide** cannot tolerate even temporary dry running & is not as Corrosion Resistant as Silicon Carbide.
- 3) Aqua **uses** Silicon Carbide v/s Silicon Carbide Faces. It is the **2nd Hardest** (*just below Diamond*) & very Corrosive Resistant too Commercially Available Material - i.e. the Best Face material for Pump End (*which will work in Water & Silt*) Mechanical Seal. 
- 4) Aqua's Mechanical Seals are Designed for Trouble Free / Maintenance Free Life of atleast 50,000hr & /or 5 years.