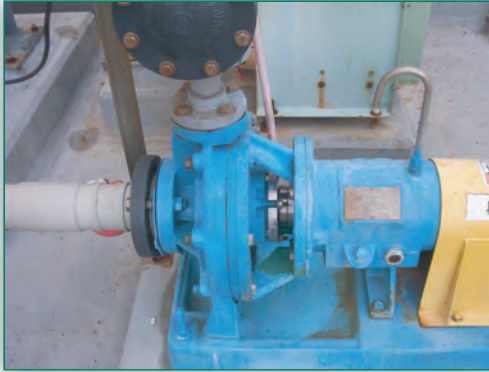


## Application Success Story:

Industry: Chemical

Product: Hydrochloric acid

Sealing Solution: Mechanical Seal



### • Application Info

- Mission pump
- Model A-70
- Product: 35% HCL, 65% water

### • Problem

- The old seal type had an external flush. This external flush migrated down the shaft and into the bearing housing, on many occasions failing the pump
- Short seal life, MTBF of about 30 days
- Estimated cost of each failure was about \$3500.00

### • Solution

- SpiralTrac™ Seal Adaptor part # AFN5089 installed with a Chesterton 440 rotary, Chesterton 1210 ceramic stationary and a Chesterton Flow Guardian flow meter
- The custom SpiralTrac allowed utilization of the standard Chesterton 440 rotary and 1210 stationary, without modification to the equipment



### • Result

- Increased MTBF by six fold
- Estimated cost savings to date \$21,000
- Flush rate 10GPH
- Customer is very happy with the results and will continue to upgrade to this sealing solution

