

Reliable

Smart

Simple

SUCCESS STORY

TAMAR 610-AG seal *Top entry reactor mixer*



Application and Issue:

The customer has several agitators manufacturing animal antibiotics at 220 °C

Due to the heat, the double mechanical seal used to last up to 6 months.

When the internal seal failed, leakage of barrier fluid into the tank was a source of contamination to the process, causing great money loss

Operational Parameters:

- Working Temperature: 220°C (428°F)
- Shaft Dia.: 80mm (3.15")
- Speed: 70rpm
- Pressure: 0.5 bar (8 psi)



The solution

TAMAR 610-AG seal with an integrated closed circuit shaft cooling ring

- Eliminate use of a liquid based, face type seal -
Eliminate seal barrier fluid
- Online constant injection system – a sealing barrier that holds the back of the air pressure
- Shaft cooling ring- allows the seal to operate at lower temperatures



The result

The first seal lasted over 6 years, passing constant sniffer tests. The seal is then refurbished only when the complete mixer is taken out for repair!
16 more seals were installed since the first one



Join the success!



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