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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