



ROTARY HYDRAULIC SEALS

Rotary hydraulic seals (Rotomatic 2C) are replacing existing elastomer energized PTFE seals used in construction and agriculture transmission, and rotary actuators (swivels). Standard sealing solutions are failing to address application demands and customers want higher sealing lifetimes with easier assembly.

In the future, smaller machines are expected to do more work and these systems experience higher pressure and temperatures requirements. The temperature and pressure range of rotary hydraulic seals depends upon material choices and there are a variety of durable materials available for this unique product from Freudenberg Sealing Technologies.

The TPU version of the rotary hydraulic seal covers pressure up to 500 bar (7,250 psi) and temperatures up to 100 °C (212 °F), and outperforms other current market solutions.

VALUES FOR THE CUSTOMER

- Higher pressure and temperatures allow for increased efficiency
- Outstanding extrusion resistance
- No relative movement between sealing elements
- One piece makes for easy assembly
- Better cut resistance compared to PTFE and Elastomer materials
- Unique design of contact surface keeps lubrication for longer seal life



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