Energy saving for the KTS pumps



ENERGYNOW



We determine your possible energy savings on-site





So far, not many customers opted for our energy saving PQ-Tronic control technology because the determination of the possible savings

NOW the measuring process is fast and simple

KNOLLE-PASS

- We can determine your energy-saving potential on site with a brief measurement, followed by a computer calculation. Afterwards, you receive your energy protocol.
- Additionaly, we provide you with an on-site cost/benefit appraisal, including your amortization analysis.
- You then decide whether to go for a PQ-Tronic upgrade.

If you wish to obtain more detailed information, please contact us.

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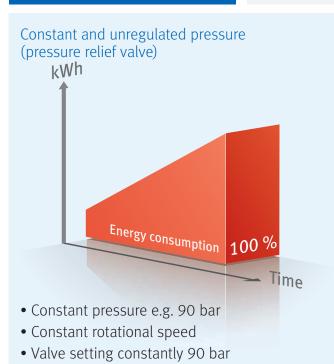
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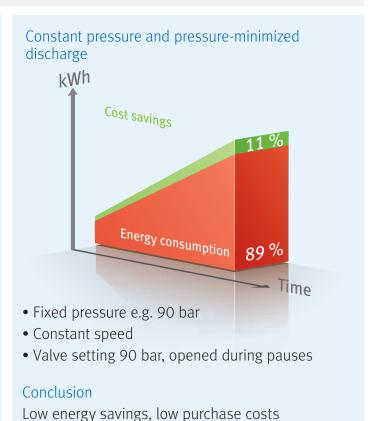
Comparison of pressure regulation

Energy savings for the processing of a gearbox housing calculated from the energy required to supply cooling lubricant.



Conclusion

Greatest energy consumption, lowest purchase costs

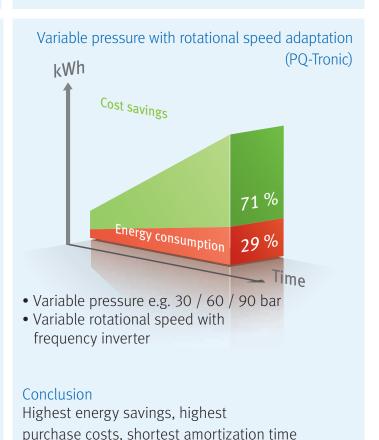


Variable pressure and pressure-minimized discharge



Conclusion

Average energy savings, average purchase costs, short amortization time



KNOLL E-PASS Measurement results





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Process monitoring with PQ-Tronic



The KTS system for deep drilling using the PQ-Tronic

KNOLL uses the data from the frequency inverter to identify predictive signs of tool breakage. Relevant signals are forwarded to the CNC control so that the operator or machine can intervene in the process early enough.

Customer benefits

- Increased feed
- Greater process reliability
- Lower reject rate
- Reduced tool costs
- Early identification of tool wear
- Greater system availability
- Energy savings
- Increased productivity

