

LUV – Boiler Recirculation Pump



Applications:

- Hot water recirculation in boilers of fossil-fuelled and solar power plants

More information:

www.ksb.com/products

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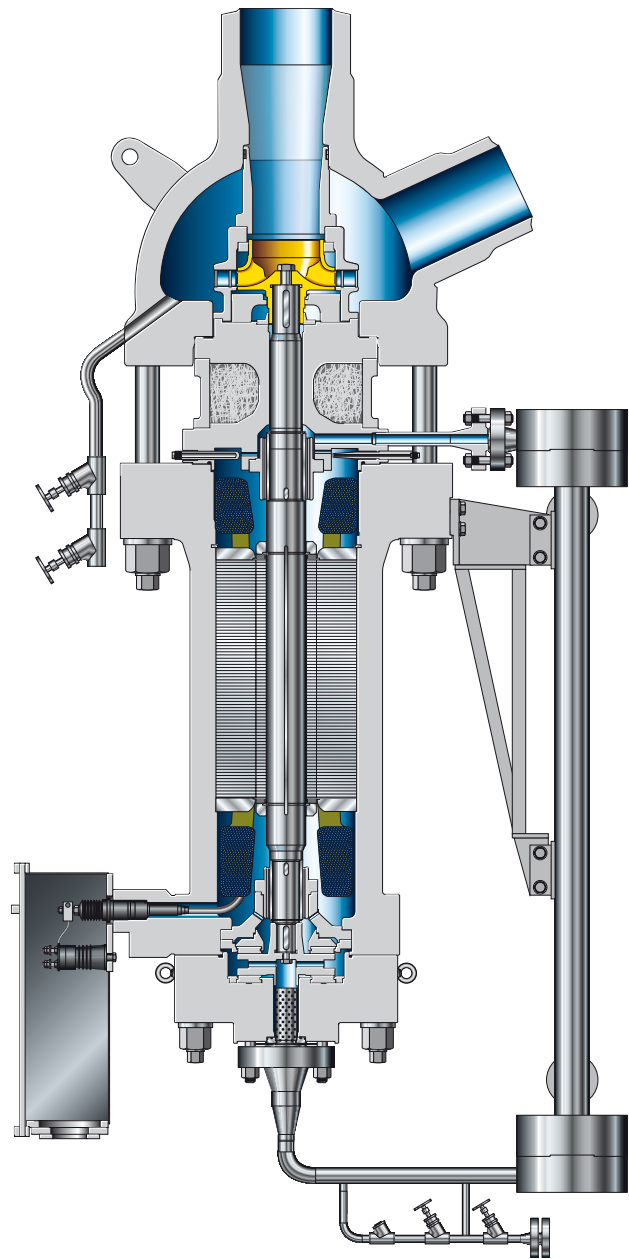
- Operating reliability**
 - Completely forged pressure enclosure
 - Hermetically sealed (zero leakage, no mechanical seals)
 - Bearings designed for the highest loads under transient operating conditions
 - Forged casing with optimised thermoelastic design

- Reliability during upset conditions**
 - Motor cooling through thermosyphon effect
 - Optimised heat barrier minimises heat transfer to the motor; no heat barrier cooling required

- Low power consumption**
 - Well-proven design with high hydraulic efficiency
 - Wet winding technology for high motor efficiency

- Low life cycle costs**
 - Long maintenance intervals
 - Long reduced-shank studs to cope with high pressure and temperature transients
 - Special winding technology for long motor service life

- Low maintenance costs**
 - Pull-out design for straightforward replacement
 - Optimised rotordynamic behaviour with low vibrations
 - Easy access to wear parts



Technical data*

Pressure	Up to 350 bar (35 MPa)
Flow rate	Up to 7000 m ³ /h (30820 gpm)
Head	Up to 300 m (985 ft)
Temperature	Up to 380 °C (716 °F)
Codes	ASME, IBR, (TRD)**
Operating voltage	Up to 12 kV
Frequency	50 / 60 Hz

*Higher ratings on request

**According to latest standards



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