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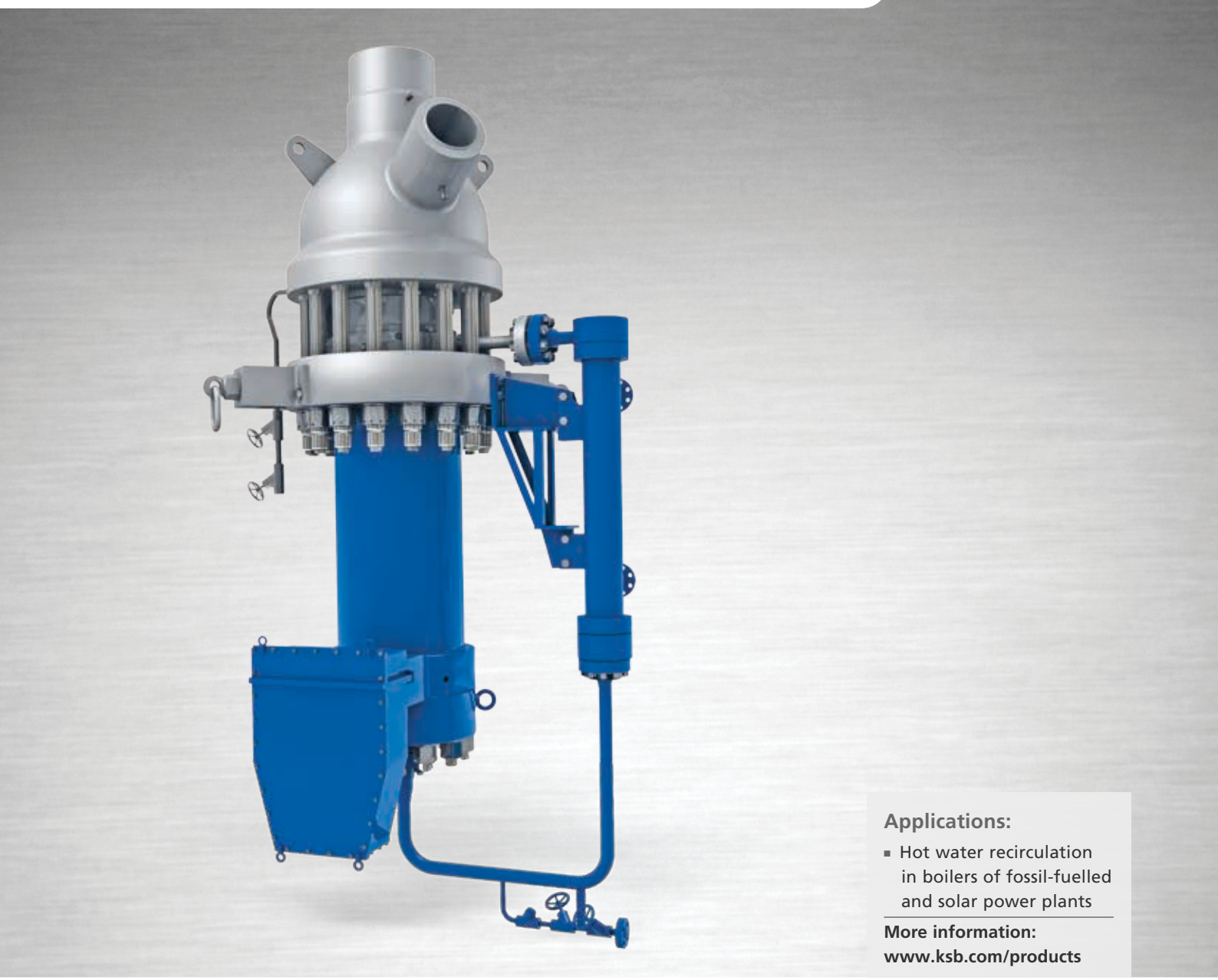
Pumps ▪ Valves ▪ Service

LUV – Boiler Recirculation Pump



Applications:

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

More information:
www.ksb.com/products

LUV – Boiler Recirculation Pump

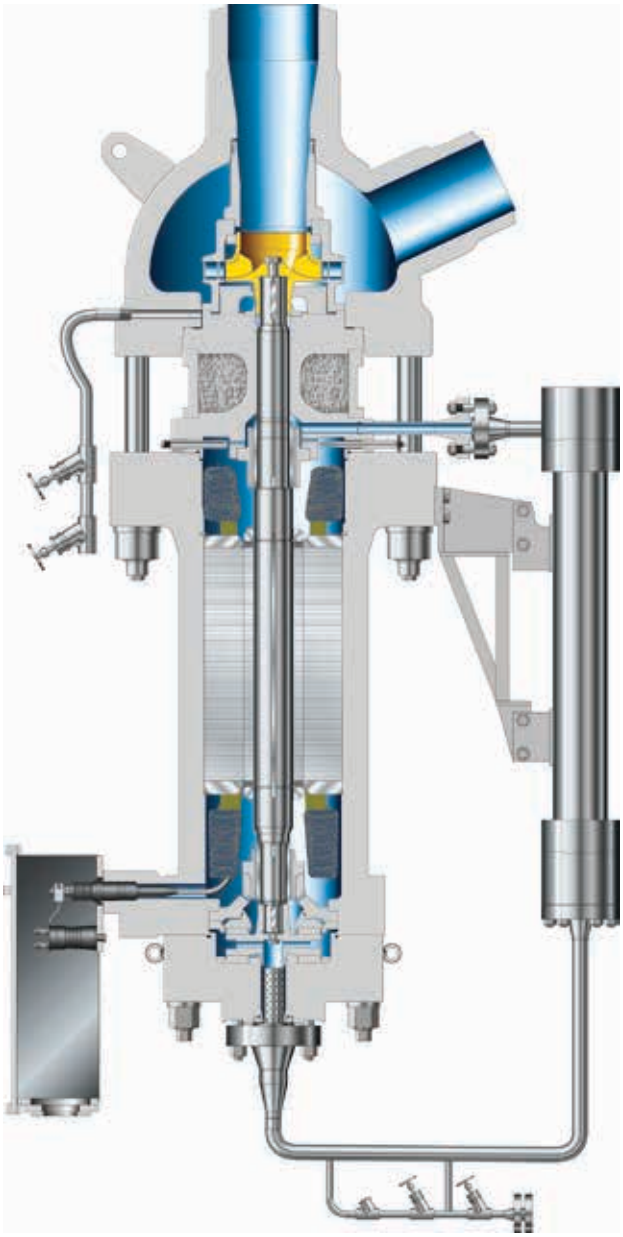
Operating reliability
- Completely forged pressure enclosure
- Hermetically sealed
  (zero leakage, no mechanical seals)
- Bearings designed for the highest loads under transient operating conditions
- Forged casing with optimised thermoelastic design

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*

Size	up to DN 550
Flow rate	up to 7000 m³/h (30820 gpm)
Head	up to 300 m (985 ft)
Pressure	up to 400 bar (40 MPa)
Temperature	up to 425 °C (805 °F)
Codes	ASME, IBR, EU-Standard (PED / CE)**
Operating voltage	up to 12 kV
Frequency	50 / 60 Hz

*Higher values available upon request
**According to latest standards

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