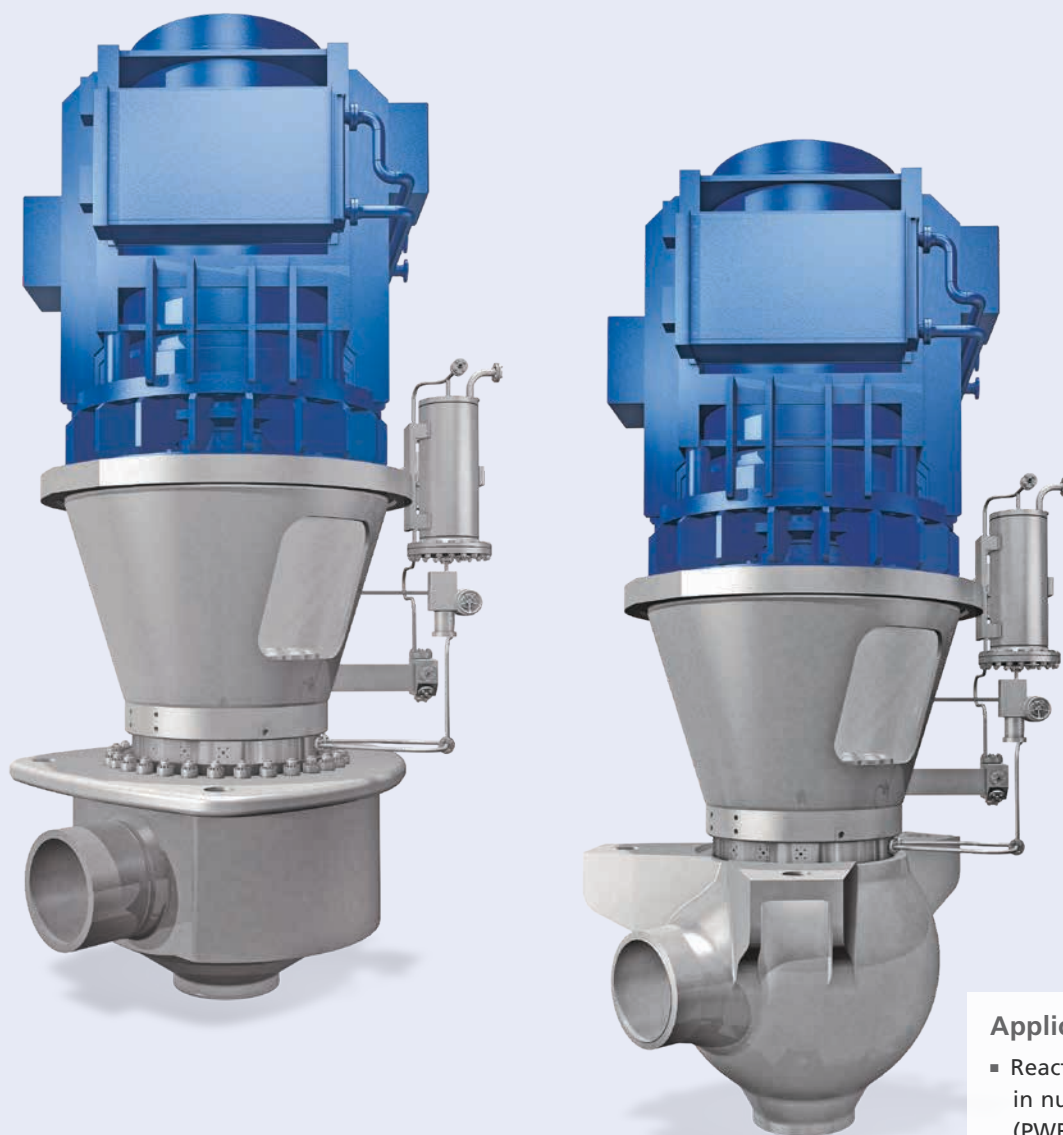


RSR – Reactor coolant pump for pressurized water reactor



Applications:

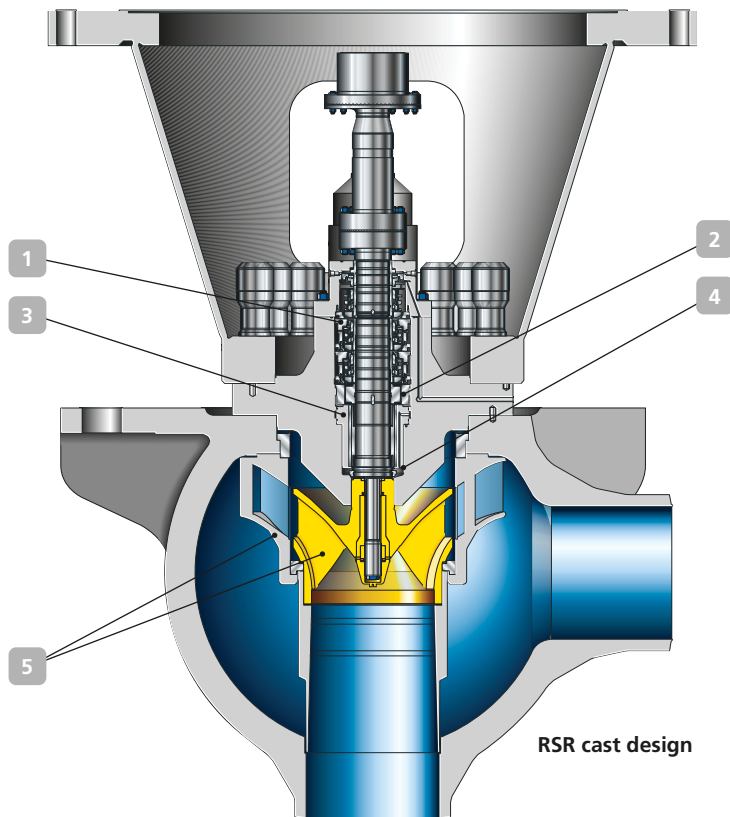
- Reactor coolant recirculation in nuclear power stations (PWR, PHWR)

More information:

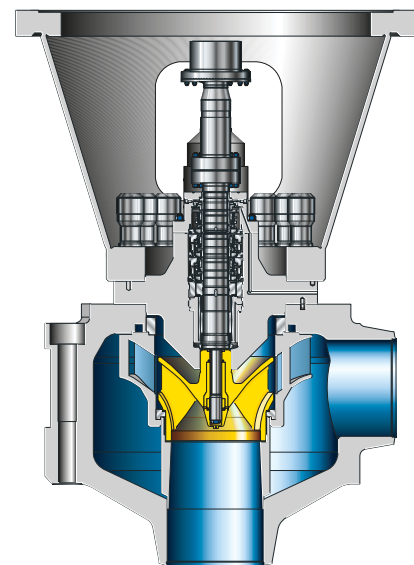
www.ksb.com/products

RSR –

Reactor coolant pump for pressurized water reactor



RSR cast design



RSR forged design

1 100 % tightness

Three mechanical seals (double-redundant)
plus two standstill seals

2 Integrity under upset conditions

Cooling of mechanical seals through
thermosyphon effect

3 Operational safety

Product-lubricated guide bearing

4 Perfect rotor alignment

through Hirth-type serration of rotor connections

5 Optimized hydraulics

- Tailor-made impeller/diffuser combination
- Model and full-load performance tests

Technical data*

Size	up to DN 750
Capacity	up to 24,000 m ³ /h (105,669 gpm)
Head	up to 215 m (705 ft)
Operating pressure	up to 175 bar (17.5 MPa (a))
Temperature	up to + 350 °C (662 °F)
Speed	up to 1,800 min ⁻¹
Frequency	available in 50/60 Hz

*Higher ratings on request



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WATER TREATMENT SOLUTIONS

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