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## **RUV** – Generation 3+ customized Reactor Coolant Pump



### **Applications:**

- Reactor coolant pump for generation 3+ nuclear power stations

**More information:** [www.ksb.com/products](http://www.ksb.com/products)

# RUV – Generation 3+ customized Reactor Coolant Pump

## 1 Operational Safety

- Maximum safety due to completely forged pressure boundary
- Hermetically sealed (leakage free, no mechanical seals)
- Perfect rotor dynamic behaviour

## 2 Integrity under upset conditions

- Motor cooling through thermosyphon effect

## 3 Flywheel

- High inertia flywheel to address coast down requirements

## 4 Optimized thermal barrier

- Advanced cooling concept for homogeneous temperature distribution

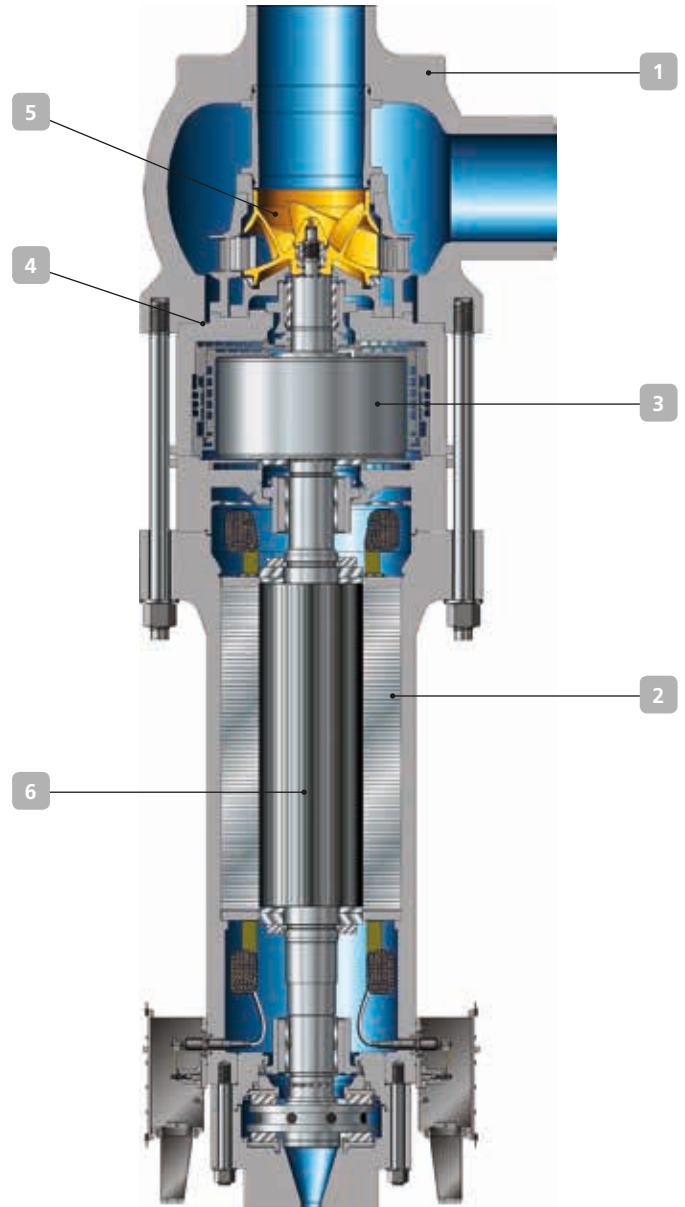
## 5 Optimized hydraulics

- Well proven design with very high hydraulic efficiency

## 6 Maximum overall efficiency

- Due to proven wet winding motor technology

## 7 Maintenance free design



### Technical data\*

Size	up to DN 650
Pressure	up to 175 bar (17.5 MPa (a))
Temperature	up to 350 °C (662 °F)
Capacity	up to 22,000 m <sup>3</sup> /h (96,866 gpm)
Head	up to 120 m (394 ft)
Speed	up to 1,800 min <sup>-1</sup>
Frequency	50 Hz or 60 Hz

\*Higher ratings on request



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