

## RSR – Reactor coolant pump for pressurized water reactor

RSR- 压水堆的反应堆冷却剂泵

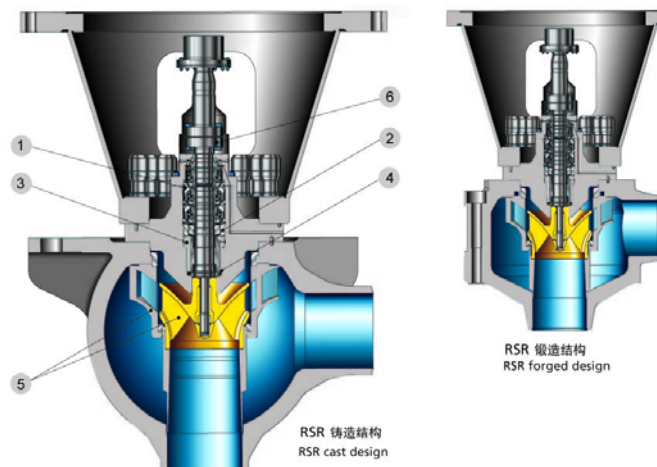
### Application:

- Reactor coolant recirculation in nuclear power stations
  - Further information: [www.ksb.com/products](http://www.ksb.com/products)
- 应用范围:
- 适用于核电站反应堆冷却剂再循环



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RSR- 压水堆的反应堆冷却剂泵



### 1 100 % tightness 100% 封严性

- 3 mechanical seals (double-redundant)
- plus 2 standstill seals
- 3 级机械密封 (双倍冗余度)
- 加上 2 级停车密封

### 2 Integrity under upset conditions

#### 事故工况下的完整性

- Cooling of mechanical seals through thermosyphon effect
- 通过热虹吸冷却机械密封

### 3 Operational safety 运行安全

- Product-lubricated guide bearing
- 介质润滑的导轴承

### 4 Perfect rotor alignment 完美的转子对中

- through Hirth-type serration of connections
- 通过赫斯型齿连接

### 5 Optimized hydraulics 优化的水力模型

- Tailor-made impeller/diffuser combination
- Model and full-load performance tests
- 量身定制的叶轮/母叶组合
- 模型和全负载的性能试验

#### Technical data\* 技术数据\*

Size 尺寸规格	up to DN 800
Capacity 流量	up to 40,000 m <sup>3</sup> /h
Head 扬程	up to 140 m
Operating pressure 运行压力	up to 175 bar
Temperature 温度	up to +350 °C

\* Higher ratings on request \* 有更高的参数满足要求