

**CHTC – Horizontal, multistage high-pressure barrel-type pump**

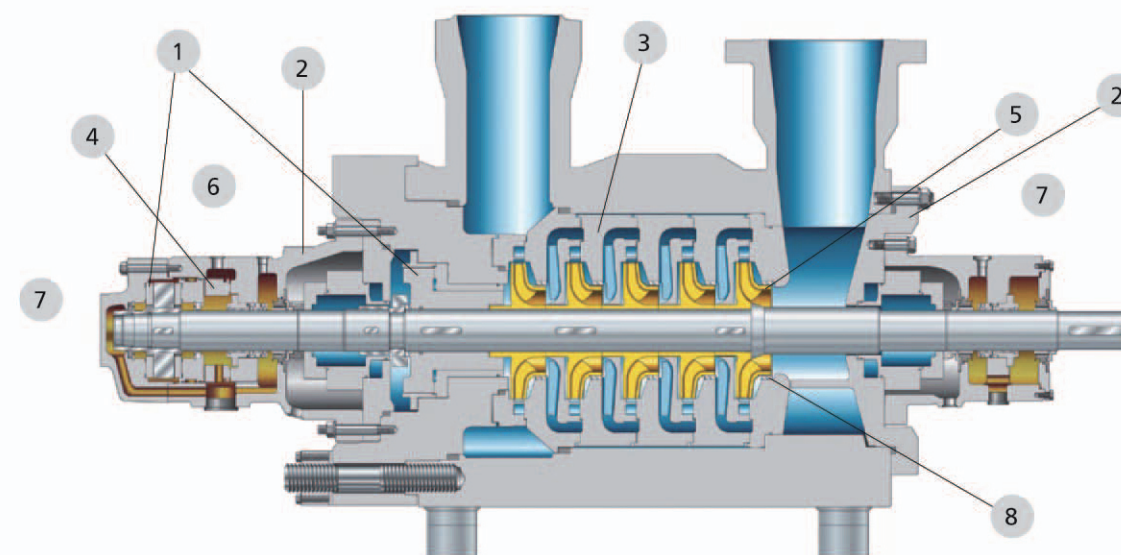
**CHTC – 卧式多级高压筒式泵**

**Applications:**  
 Handling of feed water and condensate in nuclear power stations and industrial facilities  
**应用领域:**  
 核电站/工业给水和凝结水的运输



**CHTC – Horizontal, multistage high-pressure barrel-type pump**

**CHTC – 卧式多级高压筒式泵**



- High operating reliability 运行可靠性高**
- 1 In the case of axial thrust balancing by double drum, the residual axial thrust is absorbed by a tilting-pad thrust bearing  
 在双平衡鼓平衡轴向推力的情况下, 剩余轴向推力由可倾瓦推力轴承承受。
  - 2 Optimisation of casing design in terms of line of action of force  
 根据力的作用线, 优化壳体的体。
  - 3 Adaptation of pump casing to rotor deflection line  
 根据转子挠度曲线, 调整各级中段设计。
- Long service life 使用寿命长**
- 4 Transmission of axial forces to the bearing housing by means of a cardanic ring avoids wear on the thrust bearing  
 通过万向环将轴向力传递到轴承室, 避免推力轴承的磨损。
  - 5 Low NPSH value thanks to fitting of suction stage impeller as a standard  
 按照标准选择合适的首级叶轮, 得到低的NPSH值。
- Ease of service 易于维护**
- 6 Replacement of pump cartridge without having to remove the pump from the piping  
 无需拆除进出口管道, 即可更换泵芯包。
  - 7 Maintenance work on wear parts with no opening of the pump  
 无需打开泵, 即可维护易损件 (如轴承、密封等)。
- Reduced operating costs 运行成本低**
- 8 Efficiency improvement through cellular surface wear rings  
 采用蜂窝状表面的耐磨环, 提高了泵效率。

Materials 材料	
Barrel 筒体	Carbon steel 碳钢
Stage casing 中段	Chromium steel 铬钢
Impeller/diffuser 叶轮/导叶	Chromium steel 钢
Shaft 轴	Quenched and tempered steel 调质钢

Technical data 技术参数	
Capacity 流量	up to 1,280 m <sup>3</sup> /h
Head 扬程	up to 4,200 m
Operating pressure 运行压力	up to 420 bar
Temperature 温度	up to 200 °C
Speed 转速	up to 6,750 min <sup>-1</sup>



SEC-KSB Nuclear Pumps & Valves Co.,Ltd.  
 No.257 Yitian Road, Heavy Equipment Manufacturing Area,  
 Lingang New City, Pudong District Shanghai PRC  
 Tel. +86 21 38221500 Fax: +86 21 38221501 www.sec-ksb.com

