

RDLO – Axially split volute casing pump

RDLO – 水平中开蜗壳泵

Applications:

Pumps pure, raw and industrial water as well as seawater in

- Nuclear power stations
- Water supply

应用领域:

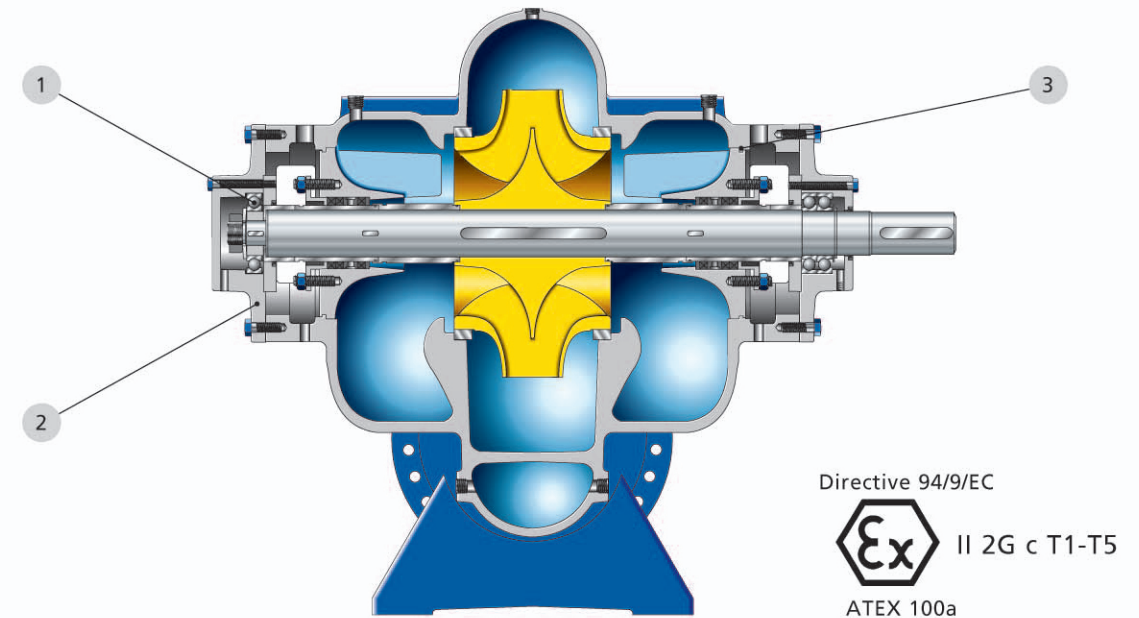
在以下领域运输纯水、泵水、废水甚至海水:

- 核电站
- 水供应



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1 High operating reliability 运行可靠性高

Since the casing is equipped with a double volute (compensating the radial forces) and a double-entry impeller (compensating the axial forces) the bearings only experience a minimum load. The theoretical operating life L_{10} for all sizes is at least 100,000 hours.

双蜗壳的泵壳（消除了径向力）和双吸叶轮（消除了轴向力），使得轴承上的负载最小。各种口径的泵的理论运行寿命 L_{10} 至少为100,000小时。

2 Low maintenance costs 维护成本低

The combination of solid bearing brackets, which are bolted to the upper casing part, the rigid shaft and the casing with double volute, guarantees low vibrations and long operating lives of bearings, seals and coupling. Corrosion and abrasion resistant materials ensure top service lives for shaft protecting sleeves, impeller and casing wear rings, and impeller.

- 用螺钉固定在上，下壳体上坚固的轴承托架、刚性轴和双蜗壳的组合，确保轴承、密封和联轴器的振动小、寿命长。
- 使用防腐耐磨材料，确保保护轴承、密封环/叶轮口环和叶轮达到最长的使用寿命。

3 Service-friendly design 使用维护的设计

The self-centring upper part of the casing and the spring-loaded rotor enable cover and rotor assembly without any further adjustments. For maintenance, the cover's hexagon head bolts are completely removed from the casing. The casing split flange can therefore be easily and thoroughly cleaned, and the inside of the pump is freely accessible.

自对中的上泵壳和弹簧加载的转子，使用得泵盖和转子部件无需进行任何调整。维护时，泵盖的六角头螺栓可全部从泵壳上拆下，使得泵壳中开面法兰的清洗方便彻底，并且，泵内部可直接接触。

4 Optimal tightness 最优的封严性

The solid casing split flange of at least 80 mm at the upper and lower casing part ensures reliable and trouble-free sealing of the upper and lower casing halves.

至少80mm的坚固的中开法兰，位于泵壳上部和下部，确保泵壳上下半部可靠和无故障的密封。

Materials* 材料:

volute casing 蜗壳:	Grey cast iron/ nodular cast iron/ duplex cast steel 灰口铸铁/球墨铸铁/双相铸钢
Impeller 叶轮:	CrNi steel/ bronze/ duplex cast steel 铬镍钢/青铜/双相铸钢
Shaft 轴:	Cr steel/ duplex steel 铬钢/双相钢
Shaft protecting sleeve 轴保护套:	Cr steel/ bronze/duplex steel 铬钢/青铜/双相钢
Casing wear rings 密封环:	Bronze/ duplex 青铜/双相
Impeller wear rings (optional) 叶轮口环(可选择):	Bronze/ duplex 青铜/双相
*) Other materials on request 若要求其他材料也可满足	

Technical data 技术参数:

Pump sizes: 口径	DN350 – 700	14 – 28 in
Max. capacity: 最大流量	10,000 m ³ /h	44,030 gpm
Max. discharge head: 最大扬程	240 m	787 ft
Max. operating pressure: 最大运行压力	25 bar	363 psi
Max. temperature: ² 最高温度	+70 °C	158 °F

¹⁾ Larger capacities and heads on request

¹⁾ 若要求更大流量和扬程，也可满足。

²⁾ Temperatures up to 140 °C (284 °F) on request

²⁾ 若有要求，温度可达140 °C (284 °F)。