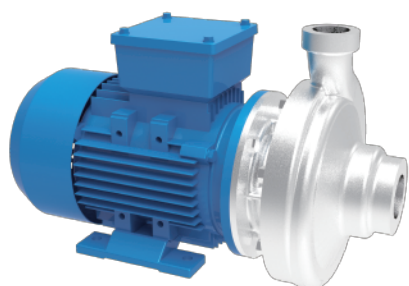


### Typical application 典型应用:

Suitable for a variety of marine and industrial applications, including seawater cooling systems, low-temperature cooling systems, high-temperature cooling systems, ballast water pumps, fire pumps, seawater desalination, petrochemical, coal chemical processes.

适用于多种船舶和工业应用场合，包括海水冷却系统、低温冷却系统、高温冷却系统、压载水泵、消防泵、海水淡化、石油化工、煤化工流程。



| 50 Hz                                                                                                                                                                                              | 60 Hz                                                | 50 Hz                                                                                   | 60 Hz                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------|
| Head range:<br>5 - 150 m<br>15 - 500 feet                                                                                                                                                          | Head range:<br>5 - 220 m<br>15 - 720 feet            | 扬程范围:<br>5 - 150 m<br>15 - 500 feet                                                     | 扬程范围:<br>5 - 220 m<br>15 - 720 feet       |
| Flow rate range:<br>2 - 1500 m³/h<br>9 - 6600 USgpm                                                                                                                                                | Flow rate range:<br>3 - 1800 m³/h<br>13 - 7900 USgpm | 流量范围:<br>2 - 1500 m³/h<br>9 - 6600 USgpm                                                | 流量范围:<br>3 - 1800 m³/h<br>13 - 7900 USgpm |
| Medium temperature range:<br>• With standard mechanical seal, max. medium temperature is up to 160 °C / 320 °F<br>• With special mechanical seal, max. medium temperature is up to 220 °C / 428 °F |                                                      | 介质温度范围:<br>• 采用标准机械轴封, 最高温度可达 160 °C / 320 °F;<br>• 采用特殊机械轴封或结构, 最高温度可达 220 °C / 428 °F |                                           |

- High efficiency
- Better cavitation performance
- Low maintenance cost
- Closed impeller, no need to adjust axial clearance and centering
- Flexible configuration
- Easy installation and service
- Adopt IEC standard motor (special long shaft motor is not needed)
- It is a horizontal version of VL vertical pump

- 高效率
- 低汽蚀余量
- 低维护成本
- 闭式叶轮，无需控制轴向间隙和对中
- 配置灵活
- 简便的安装与服务
- 采用IEC标准电机（可不需要加长轴特殊电机）
- 是VL立式泵的变形卧式产品

### Material and configuration 材料和配置

|             |                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------|
| Pump Casing | Cast iron, ductile iron, bronze, nickel aluminum bronze, 304, 316, duplex stainless steel, super duplex stainless steel, Hastelloy |
| Impeller    | Cast iron, ductile iron, nickel aluminum bronze, 304, 316, duplex stainless steel, super duplex stainless steel                    |
| Wear Ring   | Composite materials, bronze, CR6100                                                                                                |
| Rear Cover  | Cast iron, ductile iron, bronze, nickel aluminum bronze, 304, 316, duplex stainless steel, super duplex stainless steel, Hastelloy |
| Shaft       | Carbon steel, 304, 316, duplex stainless steel, super duplex stainless steel                                                       |
| Shaft Seal  | Single / double mechanical seal, cartridge mechanical seal, gland packing                                                          |

|     |                                          |
|-----|------------------------------------------|
| 泵壳  | 铸铁、球铁、青铜、镍铝青铜、304、316、双相不锈钢、超级双相不锈钢、哈氏合金 |
| 叶轮  | 铸铁、球铁、镍铝青铜、304、316、双相不锈钢、超级双相不锈钢         |
| 密封环 | 复合材料、青铜、CR6100                           |
| 后盖  | 铸铁、球铁、青铜、镍铝青铜、304、316、双相不锈钢、超级双相不锈钢、哈氏合金 |
| 轴   | 碳钢、304、316、双相不锈钢、超级双相不锈钢                 |
| 轴封  | 单端面/双端面机械密封、集装机封、填料                      |