

浦川流体设备（无锡）

PUTRONS FLUID EQUIPMENT (WUXI)



船舶和工业工程泵解决方案

Marine and industrial engineering pump solutions



INTRODUCTION

企业简介

浦川流体设备（无锡）有限公司是一家集科研、生产、工程为一体的高科技中外合资企业，专注于工业流体设备的解决方案。浦川拥有发明专利12项，实用新型专利28项。目前共有员工50多名，占地3500 m²。

浦川流体始终如一致力于科技创新，凭借我们多年来在齿轮泵和离心泵领域所积累的丰富经验，以及我们拥有的专业泵研发中心、测试中心与精良的加工和铸造设备，我们不仅为客户量体裁衣，提供久经时间考验并具创新技术的解决方案，还可以帮助客户降低设备维修费用、减少资金投入、减低调试成本并提高过程利用率。

Putrons Fluid Equipment (Wuxi) Co., Ltd. is a high-tech joint venture integrating research, production and engineering, focusing on solutions for industrial fluid equipment. Putrons currently owns 12 invention patents and 28 utility model patents. The factory is located in Wuxi, Jiangsu Province, with total area of 3500 m² and around 50 employees.

Putrons has always been committed to scientific and technological innovation. With our years of accumulated experience in the field of pumps, especially gear pumps and centrifugal pumps, as well as the professional pump R&D center, testing center, excellent machining and casting equipment, Putrons provides standard and tailor-made products for our customers, with time-tested and innovative technology solutions which help customers reduce equipment maintenance costs, capital investment, commissioning costs as well as increase process utilization.



企业愿景

VISION

浦川将提供流体输送的解决方案，成为具备全球竞争力的流体设备制造商。我们致力于为客户提供高质量、有竞争力和创新性的产品，并为客户创造价值。

我们将为客户提供高质量、及时的、技术领先的服务。

Putrons will provide fluid transportation solutions, and become a globally competitive fluid equipment manufacturer.

We are committed to providing customers with high-quality, competitive and innovative products, and creating value for customers.

We will provide customers with high-quality, responsive and technology-leading services.



企业品牌

以质量和技术为导向的可靠合作伙伴

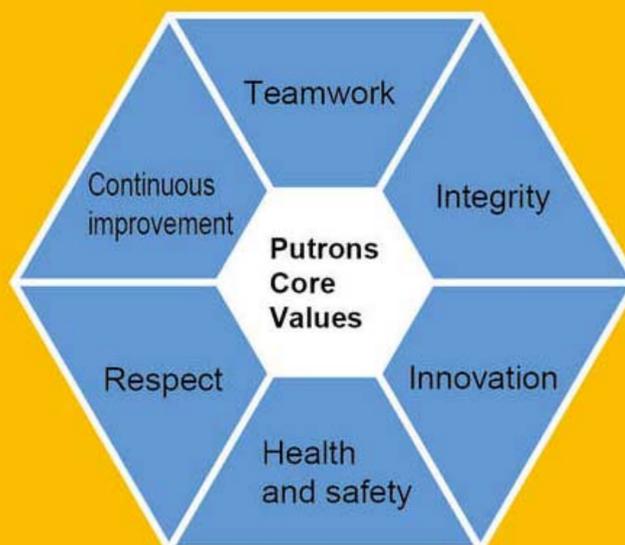
A Quality & Technology Oriented Reliable Partner

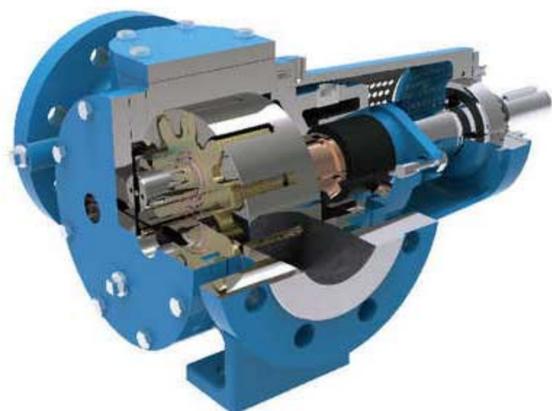
BRAND



企业价值

VALUE





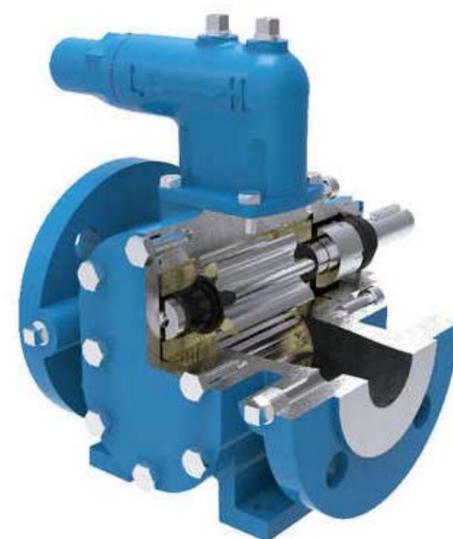
N内齿轮泵系列

N internal gear pump series
(API 676)



MGR三螺杆泵系列

MGR three screw pump series
(API 676)



EP外齿轮泵系列

EP external gear pump series
(API 676)



VP滑片泵系列

VP sliding vane pump series
(API 676)



NS摆线恒向泵系列

NS constant direction pump series
(API 676)



NE磁力齿轮泵系列

NE magnetic gear pump series
(API 676)



ME磁力泵系列

ME magnetic pump series



SP自吸泵系列

SP self-priming pump series



VLA自吸泵系列

VLA self-priming pump series

**SMVA立式多级自吸泵系列**

SMVA vertical multistage self-priming pump series

**AE空气喷射器系列**

AE Air Injector Series

**VLH高效端吸泵系列**

VLH high-efficiency end suction pump series

**VT 高效漩涡泵系列**

VT high-efficiency vortex pump series

**SO单级泵系列 (API610)**

SO single-stage pump series (API 610 OH1/OH2)

**VL高效管道泵系列**

VL high-efficiency pipeline pump series

**SVD高效免维护径向剖分双吸泵系列**

SVD high-efficiency maintenance-free radial split double suction pump series

**SDE中开双吸泵系列**

SDE axially split double suction pump series

**MR多级泵系列 (API610)**

MR multistage pump series (API 610 BB4)

N Internal Gear Pump Series – NM / NC / NL

N内齿轮泵系列 – NM / NC / NL

The most commonly used pump type, simple, heavy-duty and compact structure make it extensive range of applications and very competitive product.

最为常用的泵型，简单、承载能力强和紧凑的结构使其成为一款应用场合极为广泛并极具竞争力的泵产品。

PUTRONS® NM -General Purpose Pump
浦川® NM 通用型泵

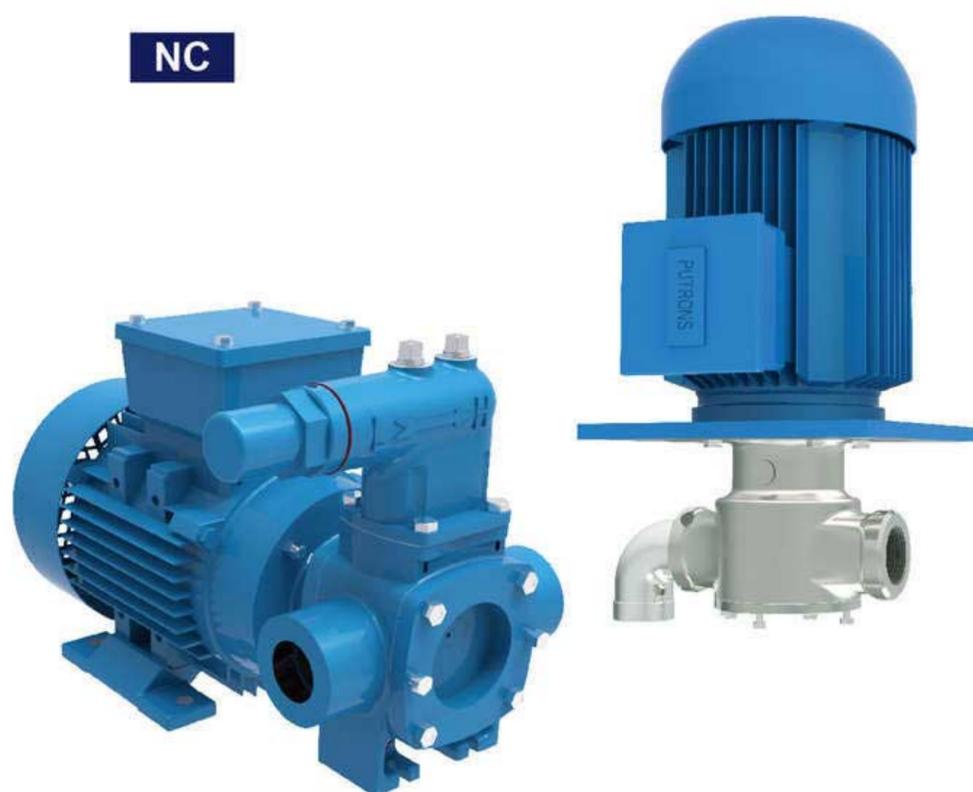
Capacity Range 流量范围	Up to 50 m ³ /h / 220 USgpm
Differential Pressure 压差	Up to 18 bar
Suction Height 吸上高度	Up to 0.8 bar
Viscosity Range 粘度范围	Up to 7,500 cst
Temperature 温度	Up to 150°C (302°F)
Sealing 密封	Mechanical seal 机械密封



NM

- Simple installation
- Convenient clearance adjustment
- Strong carrying capacity
- Low maintenance cost
- No alignment required
- Small floor space
- 简单的安装
- 间隙调节方便
- 承载能力强
- 低维护成本
- 无需对中
- 占地面积小

NC



Commonly used for conveying equipment. The compact structure makes it a highly competitive product that is used in supporting equipment.

常用于输送型设备配套型泵。紧凑的结构使其成为一款应用于设备配套并极具竞争力的泵产品。

PUTRONS® NC -Close-coupling Pump
浦川® NC 紧凑型泵

Capacity Range 流量范围	Up to 45 m ³ /h / 200 USgpm
Differential Pressure 压差	Up to 16 bar
Suction Height 吸上高度	Up to 0.8 bar
Viscosity Range 粘度范围	Up to 7,500 cst
Temperature 温度	Up to 150°C (302°F)
Sealing 密封	Mechanical seal 机械密封

- Simple installation
- Vertical or horizontal installation
- Compact structure
- No alignment required
- Smallest floor space
- 简单的安装
- 可立式和卧式安装
- 结构紧凑
- 无需对中
- 占空间最小

Widely used in various viscosity, corrosive media, high temperature and high sealing requirements. Designed to meet demanding application requirements.

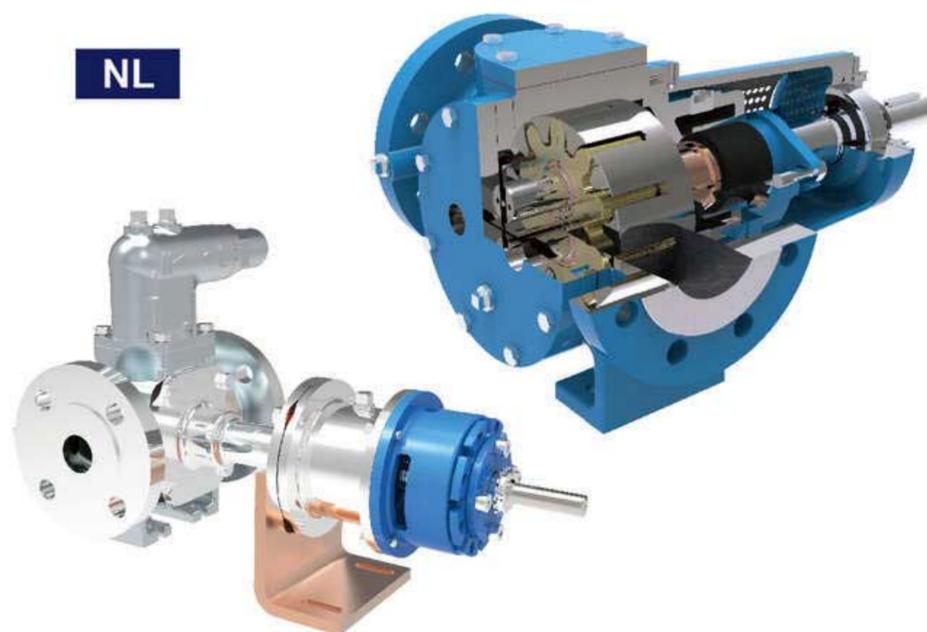
广泛用于各种粘度、腐蚀性介质、温度高和密封要求高的应用场合。专为满足苛刻的应用要求而设计。

- 重载型
- 材料种类多，可应对多种腐蚀性介质
- 配置种类多，可应对各种高粘度，高温和密封方案
- 间隙调节方便
- 低噪音及低振动
- 高可靠性

PUTRONS® NL -Heavy Duty Pump
浦川® NL 重载高温泵

Capacity Range 流量范围	Up to 250 m ³ /h / 1100 USgpm
Differential Pressure 压差	Up to 20 bar
Suction Height 吸上高度	Up to 0.8 bar
Viscosity Range 粘度范围	Up to 250,000 cst
Temperature 温度	Up to 350°C (660°F)
Sealing 密封	Mechanical seal/Packing 机械密封/填料

NL



- Heavy duty
- Various materials available that can handle a variety of corrosive media
- Various configuration available that can handle various high viscosity, high temperature and sealing solutions
- Convenient clearance adjustment
- Low noise and low vibration
- High reliability

PUTRONS® NE – Leak-free Magnetic Pump
浦川® NE 无泄漏磁力泵

Capacity Range 流量范围	Up to 90 m ³ /h / 396 USgpm
Differential Pressure 压差	Up to 20 bar
Suction Height 吸上高度	Up to 0.8 bar
Viscosity Range 粘度范围	Up to 10,000 cst
Temperature 温度	Up to 250°C (482°F)
Sealing 密封	Leaking free 零泄漏

NE

- Zero leakage - fundamentally prevent leakage
- Various materials available that can handle a variety of corrosive media
- Low maintenance cost
- Wide temperature range, medium temperature up to 250 ° C
- 零泄漏-从根本上防止泄漏
- 材料多样，可应对多种腐蚀性介质
- 维护成本低
- 温度应用范围广，介质温度可达 250°C

- Axial force balance
- With built-in reduction gears
- balanced radial force design
- Light weight and small floor space
- High reliability
- 轴向力平衡
- 内置减速机
- 径向力平衡
- 重量轻，占地面积小
- 高可靠性

PUTRONS® ND – Large Flow Double Suction Pump
浦川® ND 大流量高压双吸泵

Capacity Range 流量范围	Up to 350 m ³ /h / 1540 USgpm
Differential Pressure 压差	Up to 80 bar
Suction Height 吸上高度	Up to 0.8 bar
Viscosity Range 粘度范围	Up to 250,000 cst
Temperature 温度	Up to 150°C (302°F)
Sealing 密封	Mechanical seal/Packing 机械密封/填料

ND double suction internal gear pump is a new and unique patented product developed for large flow, high pressure and low weight requirements of petrochemical industry.

ND双吸内齿轮泵是为石油化工行业大流量、高压、低重量要求而开发的全新独一无二的专利产品。

**ND**

ME Magnetic Pump Series – ME / MEF / MED ME磁力泵系列 – ME / MEF / MED

The ME magnetic pump series is used in the transmission of various highly corrosive media and requires zero leakage, and is used in the following fields:

ME磁力泵系列是应用在各种强腐蚀性介质输送并且要求零泄漏的场合，可以用在以下领域：

Chemicals 化学工业	Pharmaceuticals 药剂业	Electroplating 电镀业	Photo Processing 照片业	Electrical Appliance 电器用具
Mining 矿业	Food 食品工业	Medical Treatment 医疗	Water Treatment 水处理	Pollution Control 污染控制

Capacity Range 流量范围	Up to 220 L/min
Head range 扬程范围	Up to 11.9 m
Diameter Specifications 口径规格	G 3/4"-G 1 1/2"
Casing Material 泵壳材料	GFRPP/CFRPP/PVDF/CFREPFE
Bearing material 轴承材料	Carbon/PTFE/SSIC

ME



MEF



Capacity Range 流量范围	Up to 800 L/min
Head range 扬程范围	Up to 31 m
Diameter Specifications 口径规格	40,50,65
Casing Material 泵壳材料	GFRPP/CFRPP/PVDF/CFREPFE
Bearing material 轴承材料	Carbon/PTFE/SSIC

Capacity Range 流量范围	Up to 860 L/min
Head range 扬程范围	Up to 40 m
Diameter Specifications 口径规格	25,40,50,65
Material the shell of casing 外壳材料	FCD600
Inner casing material 内壳材料	CREETFE

MED



Features of MED Magnetic Pump Series:

- Corrosion resistant, suitable for various chemical media
- Magnetic drive with zero leak and safe operation; low maintenance cost
- Nodular cast iron shell, lined with carbon fiber reinforced fluoroplastic, high pressure resistance, non-deformation and temperature resistance to 100° C
- Double bearing support ensures stable and quiet operation
- Closed impeller design, high efficiency
- Nd-Fe-B strong magnet generates high torque, not easy to disengage
- Non-metal plastic isolation cover to avoid eddy current
- Precise magnetic positioning and cooling structure, strong resistance to idling

MED 磁力泵系列特点：

- 耐腐蚀，适用于各种化学介质
- 磁力驱动，绝不泄露，安全、维护成本低
- 采用球墨铸铁外壳，内衬碳纤增强型氟塑料，耐压高、不易变形并耐温到100 °C
- 双轴承支点支撑，运行平稳安静
- 闭式叶轮设计，效率高
- 采用Nd-Fe-B强力磁铁，扭矩大，不易脱缸
- 非金属塑料隔离罩，避免涡流
- 精确的磁力定位和冷却结构，耐空转能力强

SP High-efficiency Horizontal Self-priming Centrifugal Pump Series SP高效卧式自吸离心泵系列

The modular design of the PUTRONS SP pump, optimized various self-priming structures in the market, represents one of the unique developments. Based on many years of experience in self-priming pumps, we provide a series of structures to meet future demand for economical, highly self-priming and reliable pumps.

The unique design, compact and clear cylindrical shape, plus practical advantages such as easy assembly, maintenance and modular structure of all components, ensure long-term trouble-free operation.

- Designed for multiple applications especially for industry and marine
- Liquid ring or jet device is optional when quick priming or strong priming is required; the priming capacity is not degraded by impeller trim
- High self-priming capacity; foot valve is not required
- Easy installation, maintenance and low maintenance cost
- High efficiency and reliability
- Compact design with flexible configuration

50 Hz:	60 Hz:
Head range 扬程范围: 1 - 100 m 3 - 330 feet	Head range 扬程范围: 2 - 150 m 6 - 490 feet
Flow rate range 流量范围: 1 - 350 m ³ /h 5 - 1500 USgpm	Flow rate range 流量范围: 2 - 400 m ³ /h 10 - 1760 USgpm
Medium temperature range 介质温度范围:	
With standard mechanical seal, max. medium temperature is up to 100 °C / 212 °F 采用标准机械轴封, 最高温度可达 100 °C / 212 °F	
With special mechanical seal or configuration, max. medium temperature is up to 220 °C / 428 °F 采用特殊机械轴封或结构, 最高温度可达 220 °C / 428 °F	

Available material	
Pump casing	Cast iron, ductile iron, bronze, nickel aluminum bronze
Impeller	Cast iron, ductile iron, nickel aluminum bronze
Seal ring	Bronze, composite, CR6100
Back cover	Cast iron, ductile iron, bronze, nickel aluminum bronze
Shaft	Carbon steel, 316, duplex stainless steel
Shaft seal	Single mechanical seal

浦川模块化设计的SP泵代表了多种自吸结构结合、独特优化的发展。根据多年生产自吸泵的经验, 我们提供系列化的结构以满足未来对经济、高自吸和可靠的泵需求。

独特的设计, 紧凑的轮廓清晰的圆柱形, 加上易于组装、维护和所有组件的模块化结构等实用优势, 确保长期无故障运行。



- 多用途应用设计, 尤其是工业和船用
- 可配置液环叶轮或喷射结构, 提高自吸能力并且不因叶轮切割而降低
- 高自吸能力, 无需底阀
- 简便的安装, 易维护, 低维护成本
- 高效率高可靠性
- 简洁、紧凑、小巧, 配置灵活多样

Marine application:

- Bilge pump
- Ballast pump
- Fire pump
- Cooling-water pump
- Wash-deck pump
- Wash-down pump
- Circulation pump
- Fuel pump
- General service pump

船用领域:

- 舱底泵
- 压载泵
- 消防泵
- 冷却水泵
- 甲板清洗泵
- 冲洗水泵
- 循环泵
- 燃油泵
- 其它通用泵

Industry application:

- Ground water pump
- Fire pump
- Wash-down pump
- Cooling-water pump
- Circulation pump
- Fuel pump
- Filling of tanks and wagons
- Truck fuel pump

工业领域:

- 地下水泵
- 消防泵
- 冲洗泵
- 冷却水泵
- 循环泵
- 燃油泵
- 给油罐
- 货车加油泵

材料	
泵壳	铸铁、球铁、青铜、镍铝青铜
叶轮	铸铁、球铁、镍铝青铜
密封环	青铜、复合材料、CR6100
后盖	铸铁、球铁、青铜、镍铝青铜
轴	碳钢、316、双相不锈钢
轴封	单端面机械密封

VL High-efficiency Vertical Pipeline Pump Series VL 高效立式管道离心泵系列

Typical application 典型应用:

Suitable for a variety of marine and industry applications, including seawater cooling systems, low temperature cooling systems, high temperature cooling systems, ballast water pumps, fire pumps, Seawater desalination, petrochemical, coal chemical process, scrubber systems and exhaust Gas Cleaning.

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、洗涤脱硫和废气净化系统。

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

- Invention patent product
- High reliability
- Shorter pump height to significantly reduce vibration and noise
- Footprint and weight reduced
- High efficiency & energy saving
- Easy to maintain
- Pump can be upgraded to common self-priming pump or strong self-priming pump for cavitation-prone installations
- Double volute design greatly reduces the radial force of the pump and the weight of the pump casing

- 发明专利产品
- 高可靠性
- 高度降低、低振、低噪音
- 减小占用空间及减轻重量
- 高效节能
- 易维修维护
- 对于易汽蚀安装场所, 产品可升级为普通自吸泵或强自吸泵
- 双蜗壳设计, 大大减小泵的径向力和泵壳的重量

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



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

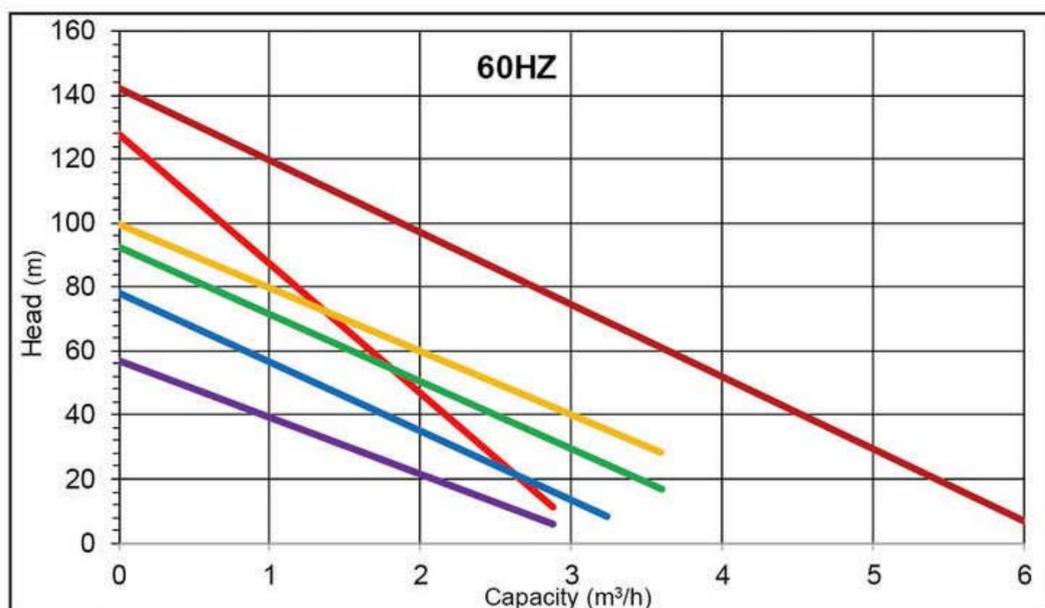
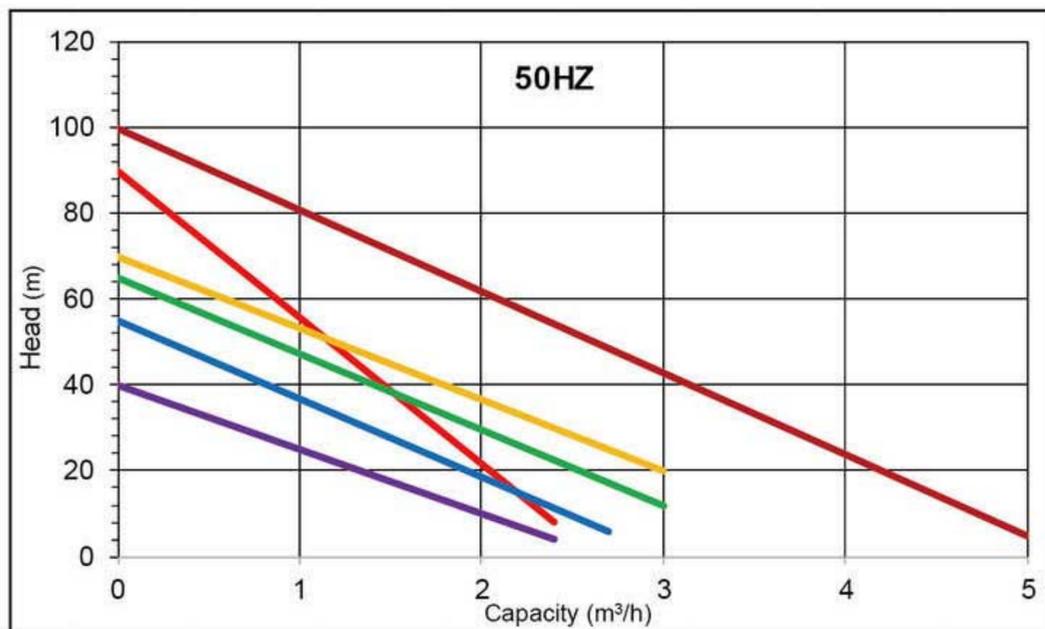
Pump Casing	Cast iron, ductile iron, bronze, nickel aluminum bronze, 304, 316, duplex stainless steel, super duplex stainless steel, Hastelloy
Impeller	Cast iron, ductile iron, nickel aluminum bronze, 304, 316, duplex stainless steel, super duplex stainless steel
Wear Ring	Composite materials, bronze, 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

VT High-efficiency End Suction Vortex Pump Series VT高效端吸漩涡泵系列

Typical application 典型应用:

The VT vortex pump series is suitable for pumping drinking water, washing water, sanitary water and seawater in various marine installations, and can also be used in household and industrial applications.

VT漩涡泵系列适用于多种船舶装置抽送饮用水、洗涤水、卫生用水和海水，也可用于家用和工业等应用场合。



Features and Benefits 特点:

The VT vortex pump series is designed for small flow and high head (low specific speed) applications. It has the characteristics of light weight (about 1/12 of the weight of ordinary centrifugal pumps) and a small footprint (1/12 of the volume of ordinary centrifugal pumps), strong self-priming capacity and easy maintenance.

VT漩涡泵系列是为小流量高扬程（低比专转速）应用而设计，其具有重量轻（是普通离心泵重量的1/12左右）、占地小（是普通离心泵体积的1/12左右）、自吸能力强和维修方便等特点。

Material 材料:

Cast iron, ductile iron, bronze, 304, 316

铸铁、球铁、青铜、304、316

SVD High-efficiency maintenance-free vertical double suction pump SVD高效免维护立式双吸泵系列

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 pumps, fresh water circulation, HVAC, fire pumps, seawater desalination, petrochemical, power plants, and 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、淡水循环、暖通空调、消防泵、海水淡化、石油化工、发电厂和煤化工流程。

50 Hz:	60 Hz:
Head range 扬程范围: 5 - 120 m 15 - 400 feet	Head range 扬程范围: 5 - 170 m 15 - 560 feet
Flow rate range 流量范围: 150 - 3500 m ³ /h 660 - 15000 USgpm	Flow rate range 流量范围: 180 - 4400 m ³ /h 790 - 19000 USgpm
Medium temperature range 介质温度范围:	
With standard mechanical seal, max. medium temperature is up to 100 °C / 212 °F 采用标准机械轴封，最高温度可达 100 °C / 212 °F	
With special mechanical seal or configuration, max. medium temperature is up to 220 °C / 428 °F 采用特殊机械轴封或结构，最高温度可达 220 °C / 428 °F	

- High reliability
- Shorter pump height to significantly reduce vibration and noise
- Footprint and weight reduced
- High efficiency
- Easy to maintain
- Only upper mechanical seal is used, reducing the risk of leakage by 50%
- Double volute design, greatly reducing the radial force of the pump and the weight of the pump casing
- Mechanical seal comes as standard; double mechanical seal or packing seal is optional
- Vertical or horizontal installation
- Magnetic bearing is optional

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



- 高可靠性
- 泵高度大幅降低，振动及噪音显著减小
- 减小占用空间及减轻重量
- 高效率
- 易维修维护
- 只采用上部机械密封，泄露风险降低50%
- 双蜗壳设计，大大减小泵的径向力和泵壳的重量
- 机械密封为标准配置；可选配双机封或填料密封
- 可选择立式或卧式安装
- 磁悬浮轴承是选项

NDL Bore Hole Pump Series NDL 立式深井泵系列

Typical application 典型应用:

Suitable for a variety of marine and industrial applications, such as main engine lubricating oil pumps, seawater lifting, oil rig, fire fighting, coal mine drainage, well pumping, agricultural irrigation and drainage, petrochemical, oil & gas, municipal engineering, etc.

适用于多种船舶和工业应用场合，例如主机润滑油泵，海水提升、钻井平台、消防、煤矿排水、井用抽水、农业排灌、石油化工、石油和天然气、市政工程等。

50 Hz:	60 Hz:
Head range 扬程范围: 20 - 140 m 70 - 460 feet	Head range 扬程范围: 30 - 200 m 100 - 660 feet
Flow rate range 流量范围: 125 - 1250 m ³ /h 550 - 5500 USgpm	Flow rate range 流量范围: 150 - 1500 m ³ /h 660 - 6600 USgpm
Medium temperature range 介质温度范围:	
With standard mechanical seal, max. medium temperature is up to 100 °C / 212 °F 采用标准机械轴封，最高温度可达 100 °C / 212 °F	
With special mechanical seal or configuration, max. medium temperature is up to 220 °C / 428 °F 采用特殊机械轴封或结构，最高温度可达 220 °C / 428 °F	

- High efficiency: energy-saving products, new optimized hydraulic model (high-order equation G2-A surface design method), improve efficiency and cavitation performance
 - Volute adopts space guide vane, high efficiency, radial balance, low vibration, low noise and high reliability
 - Maintenance-free, no centering needed, no need to disassemble the pump body and motor for changing the seal
 - Low submerged depth requirements
 - Modular design, flexible configuration
 - Two-way detachable, shorter time for removing or replacing parts
 - Space saving
- 高效率：节能产品，全新优化的水力模型（高阶方程G2-A面设计方法），提高了效率和汽蚀性能
 - 蜗壳采用空间导叶，高效率、径向平衡、低振动、低噪音和高可靠性
 - 免维护，无需对中，换机封无需拆卸泵体和电机
 - 低的淹没深度要求
 - 模块化设计，配置灵活多样
 - 双向可拆卸，拆卸或更换零部件时间短
 - 省空间



Material and configuration 材料和配置

Pump Casing	Cast iron, ductile iron, bronze, nickel aluminum bronze, 304, 316, duplex stainless steel
Impeller	Cast iron, ductile iron, nickel aluminum bronze, 304, 316, duplex stainless steel
Wear Ring	Composite materials, bronze, 316, CR6100
Shaft	Carbon steel, 304, 316, duplex stainless steel, super duplex stainless steel
Shaft Seal	Single / double mechanical seal, oil 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
叶轮	铸铁、球铁、镍铝青铜、304、316、双相不锈钢
密封环、滑动轴承	复合材料、青铜、316、CR6100
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

系列型号 Series model	结构形式 Structure	产品描述 Description	船舶、海运 Marine & offshore	石化、天然气 Oil & gas	化工、煤化工 Chemical, coal chemical	食品 Food	电力 Power	通用工业 General industry	市政、水处理 Utility, water
N	内齿轮泵 Internal gear pump	容积泵、发明专利产品 Positive displacement pump, invention patent	●	●	●	●		●	
MGR	三螺杆泵 Triple screw pump	容积泵 Positive displacement pump	●	●	●	●		●	
EP	外齿轮泵 External gear pump	容积泵 Positive displacement pump	●	●	●	●		●	
VP	滑片泵 Sliding vane pump	容积泵 Positive displacement pump	●	●	●	●		●	
NS	摆线恒向泵 Constant direction pump	容积泵 Positive displacement pump					●	●	
NE	磁力齿轮泵 Magnetic gear pump	容积泵 Positive displacement pump		●	●	●		●	
ME	磁力泵 magnetic pump	离心泵 Centrifugal pump		●	●	●		●	●
SP	卧式、单级 Horizontal, single-stage	自吸离心泵 Self-priming centrifugal pump	●	●	●	●	●	●	●
VLA	立式、单级 Vertical, single-stage	自吸离心泵 Self-priming centrifugal pump	●	●	●	●	●	●	●
SMVA	立式、多级 Vertical, multistage	自吸离心泵 Self-priming centrifugal pump	●	●	●	●	●	●	●
AE	空气喷射器 Air ejector	泵辅件, 提高自吸性能 Pump accessories to improve selfpriming performance	●					●	
HT	液力回收透平 Hydraulic recovery turbine	使用泵作为能量回收装置 Use pump as energy recovery device		●	●				
VLH	OH1	高效端吸离心泵 High-efficiency end suction centrifugal pump	●	●	●	●	●	●	●
VT	OH1	高效端吸漩涡泵 High-efficiency end suction vortex pump	●	●	●	●	●	●	●
SO	OH1/OH2	API610 单级离心泵 API610 single-stage centrifugal pump		●	●	●	●		
VL	OH3	高效立式管道离心泵 High-efficiency vertical pipeline pump	●	●	●	●	●	●	●
SVD	OH3	高效免维护立式双吸泵 High-efficiency maintenance-free vertical double suction pump	●	●	●	●	●	●	●
SDE	BB1	水平中开双吸泵 Axially split double-suction pump		●	●		●	●	●
SDA	BB1	API610 水平 中开双吸泵 API610 axially split double-suction pump		●	●		●	●	
BTS	BB2	API610 卧式 单级双吸泵 API610 single-stage pump		●	●				
BTT	BB2	API610 卧式 两级泵 API610 two-stage pump		●	●				
MAA	BB3	API610 水平 中开多级泵 API610 axially split multistage pump		●	●		●	●	
MR	BB4	API610 单壳体多级泵 API610 multistage pump		●	●		●	●	
MRD	BB5	API610 双壳体多级泵 API610 barrel multistage barrel pump		●	●		●		
MRDB	BB5	API610 双壳体 B2B 多级泵 API610 B2B multistage barrel pump		●	●		●		
NDL	VS1	立式深井泵 Bore hole pump	●				●	●	●
NMR	VS6	API610 双壳体立式多级泵 API610 VS6 vertical multistage pump		●	●				
SDW	VS6	API610 立式低温泵 (LEG, LPG, LNG) API610 vertical cryopump	●	●	●				

● For selection of pumps, please email psales@putrons.com or contact Putrons sales engineer.

泵选型请电邮 psales@putrons.com 或直接联系浦川流体销售工程师。



● 浦川流体办公室和工厂
PUTRONS Factories and Offices

PUTRONS

浦川流体设备（无锡）有限公司

联系人：朱先生/王先生

电话：+86 132 7041 3391 / +86 159 6955 8662

地址：江苏省无锡市新吴区华谊路29号

网址：www.putrons.com

邮箱：psales@putrons.com

中国·无锡

Putrons Fluid Equipment (Wuxi) Co., Ltd.

Contacts: Hansen Zhu / Kevin Wang

Mobile: +86 132 7041 3391 / +86 159 6955 8662

Address: 29 Huayi Road, Xinwu District, Wuxi City, Jiangsu Province

Website: www.putrons.com

Email: psales@putrons.com

Wuxi • China