

EXTREME

AISI 316 stainless steel vertical lineshaft pumps

AISI 316不锈钢长轴深井泵

Seawater applications
Reverse osmosis systems
General industry
Water treatment

海洋工程
反渗透系统
工业水处理
供水系统





VX AISI 316 stainless steel
AISI 316不锈钢长轴深井泵



Designed for extreme applications and pumping of aggressive liquids. Stringent quality guidelines are applied during every manufacturing step from design phase to customer dispatching.

专为极端应用和腐蚀性介质设计。从设计阶段到客户发货的每个生产步骤都遵循严格的质量准则

Drive head
Flanged drive head for IEC motors.
AISI 316 casted stainless steel flanged discharge base.

驱动头
电机法兰驱动头。
AISI 316不锈钢铸造法兰出口底座。

Lineshaft
Flanged column pipe machined between the centers to ensure perfect alignment. Lineshaft journal bearings are directly lubricated by the pumped liquid. Duplex stainless steel shaft.

长轴
法兰柱管在中心间加工，确保完美对齐。轴颈轴承由泵送的介质直接润滑。轴采用双相不锈钢材质

Pump body
Flanged diffuser use rubber journal bearings to ensure safe operation of the pump shaft. Impellers are precisely machined and dynamically balanced to reduce vibration and wear. Duplex stainless steel shaft.

泵体
法兰式导流壳采用橡胶轴颈轴承，确保泵轴的安全运行。叶轮经过精密加工和动态平衡，以减少振动和磨损。轴采用双相不锈钢材质

Technical data - 技术参数							
Nominal size 尺寸		Capacity max. 最大流量		Head max. 最高扬程		Power max. 最大功率	
inches - 英寸		[m³/h] - 立方/小时	[US.gpm]	[m] - 米	[ft]	[kW]	[HP]
6"	8"	170	750	245	800	55	75

Footvalve
Includes strainer to restrict entry of foreign objects during operations.

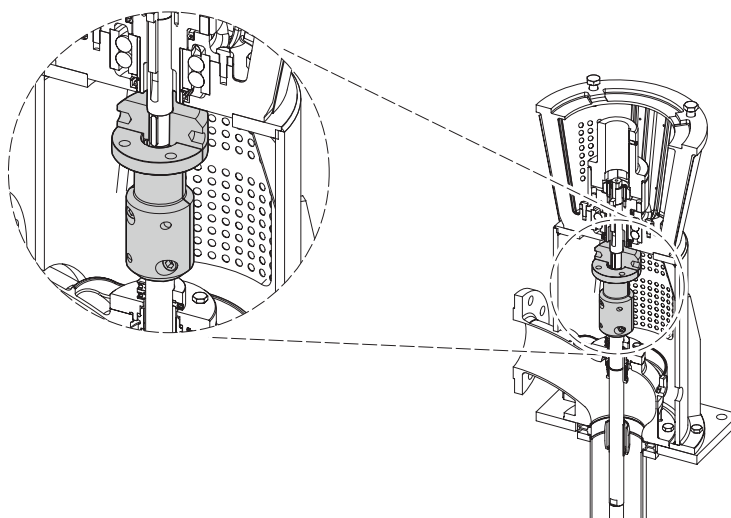
底阀
包括过滤器，用于在操作过程中限制异物进入

Adjustable cartridge mechanical seal

独特的筒式机械密封

Motor coupling with special split joint for mechanical seal removing without motor disassembling.

电机联轴器带有特殊的分离接头，可在不拆卸电机的情况下拆卸机械密封。



The VX series vertical lineshaft pumps are designed to operate also with water level fluctuations and submerged impellers allow the pump to be started without need of priming.

VX系列立式长轴泵专为水位波动工况设计，采用浸没式叶轮结构，无需灌引水即可直接启动。

Significant corrosion and wear proof

The seamless construction and the thickness of all AISI 316 casted stainless steel hydraulic components are assuring high resistance to wear and corrosion to all pumps in the VX range. Duplex stainless steel shafts guarantee high resistance to the combined action of corrosion and mechanical load.

卓越的耐腐蚀与抗磨损性能

全系列泵体采用无缝铸造工艺，所有过流部件均使用加厚 AISI 316 不锈钢材质，确保 VX 系列泵组具备极强的耐腐蚀和抗磨损能力。双相不锈钢轴确保在腐蚀与机械载荷双重作用下仍具备卓越抗性。

Quick delivery and engineered flexibility

The VX series comes in a variety of standardized designs for quick delivery and it can also be configured for custom specifications. The pump operating point can be adapted by varying the number of pump bowl stages and trimming the diameter of the impellers.

The total unit's floor space requirement is minimal and the lineshaft length can be adjusted for every site-specific needs.

快速交付与工程灵活性兼备

VX 系列提供多种标准化设计实现快速交付，同时支持按客户需求定制配置。通过调整泵壳级数和叶轮直径切割，可精准适配泵工况点。整套机组占地面积极小，且传动轴长度可根据现场实际需求灵活调节。

Easy maintenance

Coupling between the drive head and the lineshaft is made with a special split that allows mechanical seal removing without motor disassembling.

维护便捷

驱动头与传动轴采用特殊剖分式联轴器连接，无需拆卸电机即可更换机械密封。

VX series are designed for efficient and reliable pumping of sea water or corrosive liquids. The compact design makes them ideal for marine environments, water treatment and numerous industrial applications.

VX 系列专为高效可靠输送海水及腐蚀性液体而设计，紧凑结构使其成为船舶环境、水处理及众多工业应用的理想选择。



A powerful team in the world

Since 1952 Rovatti Pompe manufactures, develops and distributes centrifugal pumps for submersible and surface installations constantly asserting itself as a global leader.

The wide range of centrifugal pumps produced, the well-established experience in the field and the continuous production quality improvement summarize the potential fielded by the Company.

While an active research and development program focuses on technological innovations and environmental impact, the design of new production processes, the development of advanced technical solutions and the use of new materials allow the Company to steadily improve the efficiency, reliability and maintenance of all products.

The value of the employees finally complete the driving force behind the entire Rovatti group.

世界上强大的团队

自1952年以来，Rovatti Pompe一直致力于制造、开发和销售潜水泵、深井泵、地面泵，不断成为全球领导者。

生产的离心泵种类繁多，在该领域积累了丰富的经验，不断提高生产质量，总结了公司在该领域的潜力。

质量和创新代表了Rovatti Pompe所有选择的精神，虽然积极的研发计划侧重于技术创新和对环境的影响，但新生产工艺的设计、先进技术解决方案的开发和新材料的使用使公司能够稳步提高所有产品的效率、可靠性和维护性。

员工的价值构成整个Rovatti集团背后的驱动力。

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