

Rovatti VX series: The Inoxydable Vertical Solution

Next to the consolidated and well-known "V" range of vertical turbine pumps of 6" up to 16", **Rovatti Pompe** is proud to promote the exclusive 6" and 8" vertical turbine 6VX and 8VX series. This innovative range of products have been engineered and designed for efficient and reliable pumping of corrosive and aggressive liquids in a wide range of industrial, marine and civil applications. While all parts in contact with the pumped liquid are manufactured in AISI 316 casted stainless steel, shafts and couplings are made of AISI 329 Duplex stainless steel. Through this construction the hydraulic components do not show welding joints and are characterized by compact and smooth surfaces. This means improved hydraulic efficiency, greater work resistance which makes all pumps in the VX range more suitable than products obtained by cold-stamping process, especially with high abrasive and aggressive waters. Furthermore, impellers are locked on the shaft by unified keys and are equipped with shaft protecting spacer bushes in order to considerably improve pump reliability. The high quality design and material solutions assure long-life functioning, trouble-free operation and very easy maintenance



The pumped liquid is manufactured in AISI 316 casted stainless steel

next to the market efficiency. The new technology has many features which mainly are: AISI 316 casted stainless steel hydraulic components; Adjustable cartridge mechanical seal; Mechanical seal removing without motor disassembling; Coupling flanges according to NEMA norms; Capacity up to 170 m³/h; Head up to 240 m and power up to 55 kW. ■

Ebara's Efficient Duplex Pumps

Ebara Corporation, with headquarters in Tokyo, realizes products that are immune to seawater corrosion as a result of Research and Development. Having overcome corrosion, Ebara seawater pumps serve all scenarios requiring the utilization of seawater, for example "Water Intake pumps for seawater desalination



Super duplex stainless steel fabricated vertical pump

plants," "Brine recirculation pumps," "seawater cooling pumps," etc. Above all, the company's duplex stainless steel fabricated vertical pump contributes to improve stability of operation of the plant to utilize seawater. The pump works widely in power plants, petro chemistry plants as well as seawater desalination plants. Thanks to the selection of the optimal material and the use of original design capabilities, with manufacturing and welding technology constantly polished by EBARA since 1912, the company has overcome the issue that "welded portions easily corrode," which have been persisting for a long time.

Further, with their original simulation technology, Ebara became able to predict corrosion in parts other than the welded portions. The "duplex stainless steel fabricated vertical pump" that was born as a result of this has many delivery records, mainly for the bore diameter of 2000 mm. It has been used in a number of seawater desalination plants in the Middle East. Ebara's reliability against corrosion has been demonstrated on oceans around the world and won a high reputation. By fulfilling its corporate social responsibilities (CSR), the company is determined to progress along with society and achieve steady growth. ■