

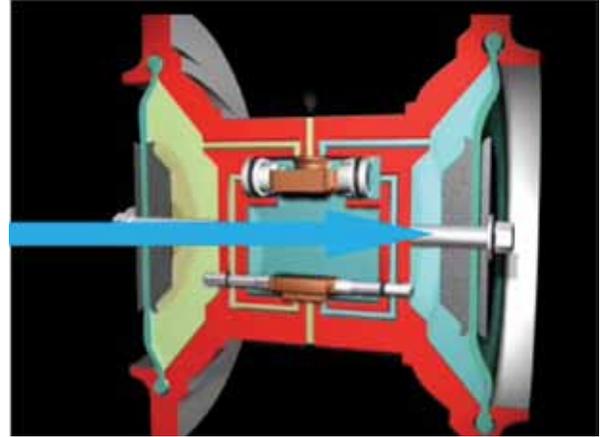
Creating Better Efficiency

The **Verderair** AODD pump series show that its ingenious design really is the proof: they are the most efficient AODD pumps. The pumps are characterized with rapid acting air valves & innovative design of air chambers in addition to an innovative flow pattern.

Improving efficiency without using external electronic devices

Some pumps use electronic devices to change the continuous inlet stream of compressed air into a modulated inlet stream. At the end of the stroke the air is not supplied in a continuous stream, resulting in having less consumed air. Using an electronic device is only useful for 2" and 3" pumps and even then it makes the pumping process unnecessarily expensive. Verderair AODD pumps have improved efficiency without external electronic drives. The rapid acting air valve technology of Verderair uses less compressed air without the need of expensive and difficult to maintain electronic components. It is also available for all sized of pumps.

When the exhaust air is removed out of the pump without unnecessary restrictions, compressed air is only used for moving the fluid, not for pushing out the



Stroke ends, the air valve will switch to start moving to the left

used air.

The Verderair double diaphragm pumps have a smoother and higher flow rate because of its innovative flow pattern. Special focus is given to the "pressure drop" of the liquid by passing through the chamber. This results not only in a smoother flow but is also increasing the pumped volume of liquid. Less compressed air is needed. ■

Rovatti Pumps: The Inoxidizable Encapsulated Solution

Following the consolidated EX range of 8", 10", 12" and now 14" mixed-flow electric borehole pumps, **Rovatti Pompe** is proud to promote the 8" 8ERCX range of radial encapsulated electric borehole pumps.

As part of the EXTREME range, these technologically advanced products has all the hydraulic components manufactured in AISI 316 micro-casted stainless steel, making them suitable for heavy duty applications, having been designed and engineered for efficient and reliable pumping even of corrosive fluids in many industrial, marine and civil applications. Hydrodynamic radial configuration characterizes the limited axial dimension of the hydraulic components, allowing the use of a large number of stages to achieve high pressures with adequate flow rates. While parts in contact with the pumped liquid are entirely manufactured in AISI 316 micro-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 and greater work resistance, which makes them more suitable



Impellers are locked on the shafts by unified keys

than products obtained by cold-stamping process, especially with high abrasive and aggressive waters. Furthermore impellers are locked on the shafts by unified keys and are equipped with shaft protecting spacer bushes in order to considerably improve pump reliability.

All Rovatti pumps are engineered and manufactured according to international standards and technical specifications of the customers in order to satisfy many applications areas. ■