

SERO PumpSystems GmbH, a German manufacturer of self-priming low-NPSH side channel pumps, provides reliable solutions for oil and gas, chemical and many other industrial purposes. SERO's multistage side channel pumps are well established in the oil and gas industry. Side channel pumps are unique pumps that can handle various kinds of volatile and gaseous liquids, light hydrocarbons and standard process fluids with super-low NPSH requirements. The flow rate at which they operate typically ranges anywhere from 0.3 to 42 m³/h, with heads of 30–1000 m and temperatures ranging from –60°C to +220°C.



Source: SERO PumpSystems

Side channel pumps for low flows with medium to high heads



Gaseous crude oil and abrasives

The latest innovation and addition to the SERO product line, the model SRZS CO, is a tailor-made solution for light, gaseous crude oil applications.

Even with a certain level of processing, crude oil contains very abrasive particles which can accelerate the wear and tear on standard pump parts, bearing bushings and mechanical seals. However, for the very first time, fluids with high and varying percentages of entrained gas (up to 50%) containing abrasive particulate can now be handled by side channel pumps. SERO PumpSystems GmbH has bundled some of their special features together in the model SRZS CO, which now permits extended operation in these challenging conditions.

Extensive analysis of key wear points with the guided development of upgraded materials in the pump liquid, enables to resist the particulate carried by the crude oil. The materials that are used in the SRZS CO include ductile iron, chrome steel, hardened bearings, special shafts and mechanical seals. This model has become one of SERO's most popular products, with many success stories and extended run times, and is guaranteed to have high levels of long-lasting performance and reliability.

The SRZS CO: one of the many examples of innovation and engineered solutions provided by SERO PumpSystems GmbH

