





Source: SERO PumpSystems

## SERO PumpSystems: Technology Leader of Side Channel Pumps

Founded in 1894, SERO PumpSystems is specialized in side channel pump technology. Today, we develop high-performance pumping solutions for the oil, gas, and petrochemical industries – delivering customized solutions to customers worldwide, driven by German engineering and quality.

Side channel pumps are specifically designed to safely handle small quantities of clean liquids at high differential pressures. A key advantage lies in the pulsation-free hydraulics, which can also handle entrained gas. Low NPSH values – enabling low inlet heights – significantly simplify the integration of the side channel pump into compact system designs.

### SHP: The Solution for Low Viscosity Liquids, Liquefied Gases, and Light Hydrocarbons

The SHP side channel pump is suitable for the pressure boosting of low-viscosity process liquids, liquefied gases, and light hydrocarbons – as typically found in refineries. It is also used for clean chemical and petrochemical liquids and performs reliably even with fluctuating gas content in the process stream. The SHP was developed in line with

the API 610 refinery standard and the international ISO 13709 norm. As such, it fully meets the structural and performance requirements relevant for use in the oil, gas, and petrochemical industries.

Its high-pressure barrel casing and media-resistant wetted parts according to industry standards ensure maximum safety and operational reliability.

### SLP: Side Channel Pump Supporting the Energy Transition

The high-performance SLP pump was developed by SERO PumpSystems as a modular system solution for demanding process applications. It is ideally suited for the transfer of propane and alternative fuels such as green methanol – which is increasingly used in refineries, chemical plants or as propulsion fluid for ocean-going vessels as a low-emission energy carrier.

With pulsation-free hydraulics, a consistent differential pressure of up to 40 bar, and extremely low NPSH values starting from 0.3 m, the SLP enables safe and reliable transfer even with fluctuating flow rates or vapor-laden media.



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