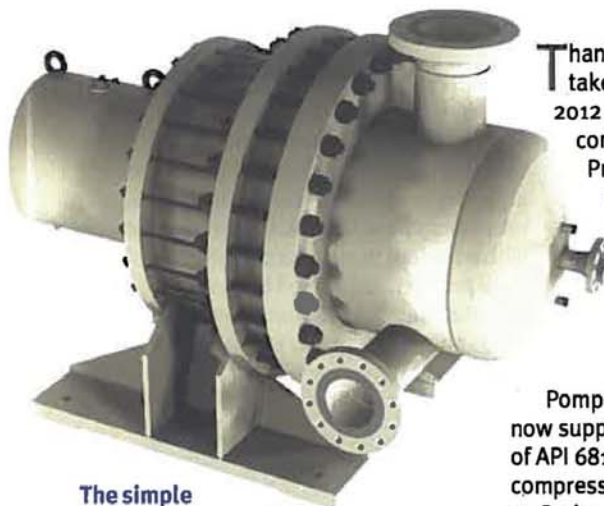


Robust gas handling

Pompetravaini-NSB's API SB liquid-ring compressor targets gas processing



The simple yet sturdy construction of the Pompetravaini-NSB compressor conceals a highly efficient design

SB compressors with their liquid-ring design principle are ideal for applications such as flare gas recovery and others involving temperature sensitivity, explosion hazards, or gases that are saturated, corrosive, or contaminated. In short, SB compressors are suitable for duties where a requirement for close to isothermal compression makes other compressor designs inappropriate.

The SB range is available in a single-stage version with a maximum discharge pressure of 5.5 bara, and a two-stage version for discharge pressures up to 14 bar a.

True back pull-out design enables the compressor to be maintained without the need to disassemble piping and service liquid connections, thus considerably shortening downtime and reducing maintenance costs.

Patented cylindrical gas distributors with large inlet gas passages minimize friction losses, optimizing efficiency and eliminating the need for compensated flow of sealing liquid. This provides great savings in running costs.

The double-acting design balances radial forces on the compressor shaft, reducing shaft deflection and vibration. The simple but sturdy construction of the SB compressor is complemented by the overhung arrangement, which requires only one shaft seal and bearing housing, both externally accessible. These features, together with the liquid-ring technology — which means that there is no internal metal-to-metal contact — make the SB compressor highly reliable. Minimized wear and reduced heat, vibration, noise and maintenance requirements ensure very low servicing costs over the lifetime of the compressor. The shrouded impeller design optimizes energy transfer, creating a highly efficient compression cycle. The impeller is also dynamically balanced, and smooth compression operation ensures low running costs.

Manufactured to comply with Section VIII Division 1 of the ASME codes or the corresponding European standards, the SB compressor boasts the highest level of reliability. It places Pompetravaini-NSB as a world leader, with technical innovations that other vendors cannot challenge, the company claims.

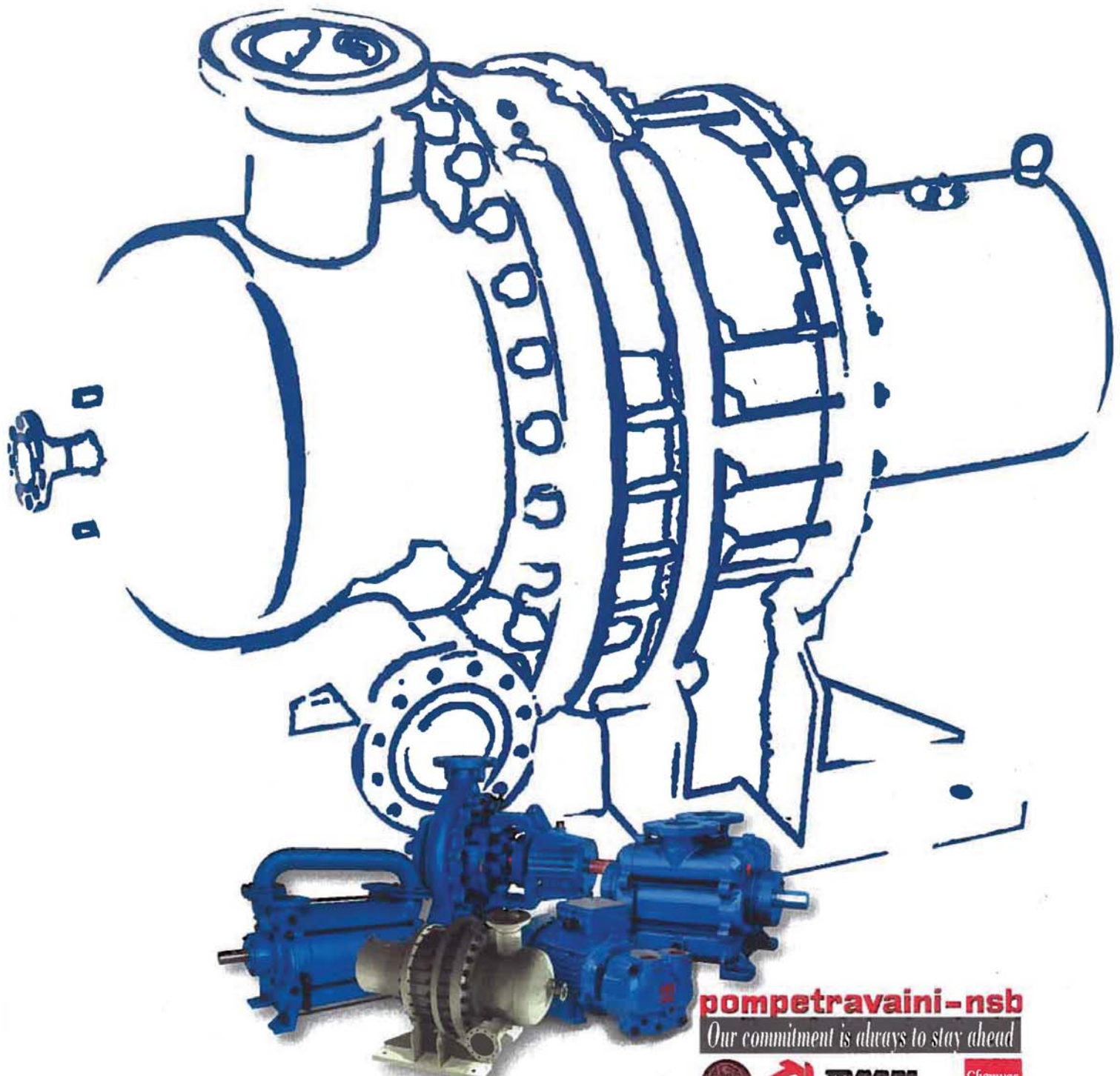
www.pompetravaini.com

Thanks to the takeover in 2012 of the Swiss company NSB Gas Processing AG, Pompetravaini has extended its product family and application field still further.

Pompetravaini-NSB now supplies a range of API 681 liquid-ring compressors, known as Series SB, designed specifically for the petroleum, chemical and gas processing industries.

Pompetravaini-NSB, the mark of distinction.

SB API Liquid Ring Compressor, the taste of the "big heart" in the plant.



escepi/ncs/02

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