

## Standard Central Systems

### LIQUID RING UNITS L-SV



*For stable operation, liquid ring pumps must be permanently supplied with liquid, which escapes with the conveyed gas on the discharge side.*

*That is why we have developed standardized circuit units as system solutions, which feed the operating liquid that escaped on the discharge side completely or partially back into the pump.*

*Circuit units are available for the full range of Elmo Rietschle liquid ring pumps, with ATEX certification and in stainless steel or cast iron.*

#### *Partial circuit*

*To avoid the heating of operation liquid, only the required part of fresh water is delivered to the pump – against the compression capacity of the pump – that is needed for temperature constancy.*

#### *Closed circuit*

*The liquid circuit is cooled by a heat exchanger. Process gases/vapours stay in the circuit, so contaminated sewage and consumption of fresh water is avoided.*

### VACUUM PUMP UNIT X-SC

*The vacuum pump units X-SC are a combination of an air-cooled liquid ring circuit unit with patented discharge-air cooling system of the L-Series (L-BL2) and a side channel blower of the G-Series. So the suction capacity in a pressure range of 30 to 120 resp. 200 mbar is multiplied. The aggregates have a robust design, high vapour compatibility as well as an oil-free compression without contact.*

*The side channel blower can work at a consistent speed or a frequency converter can be used to enhance the performance of the unit. The operating point can thus be optimized for the application (i.e. pressure constancy control).*

#### *Closed circuit*

*The liquid circuit is cooled by a heat exchanger. Process gases/vapours stay in the circuit, so contaminated sewage and consumption of fresh water is avoided.*