



The New Vacuum Pump Series SL B



... for the best performance of the waste disposal vehicle

STERLING FLUID SYSTEMS GRUPPE
www.sterlingsihi.com

Liquid Ring- Vacuum Pumps SL B

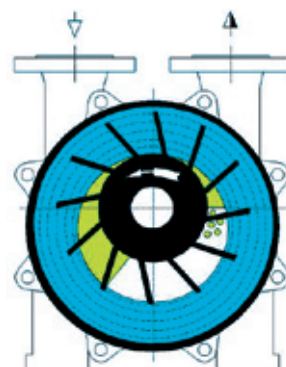
The new serie SL B ...

The main requirements of vacuum pumps on waste disposal vehicles are short evacuation time, low weight, high reliability and environmental compatibility. Low-noise operation is of particular importance, especially on vehicles working in municipal areas.

The low noise emission and the oil-free operation combined with low leakage rates offered by the liquid ring vacuum pumps make them ideally suited to this application.

Under economical aspects the new liquid ring vacuum pumps of the series **SL B** meet the highest requirements as they have been especially developed for mobile applications.

The light-weight build and the used materials are optimized for the installation on waste disposal vehicles.

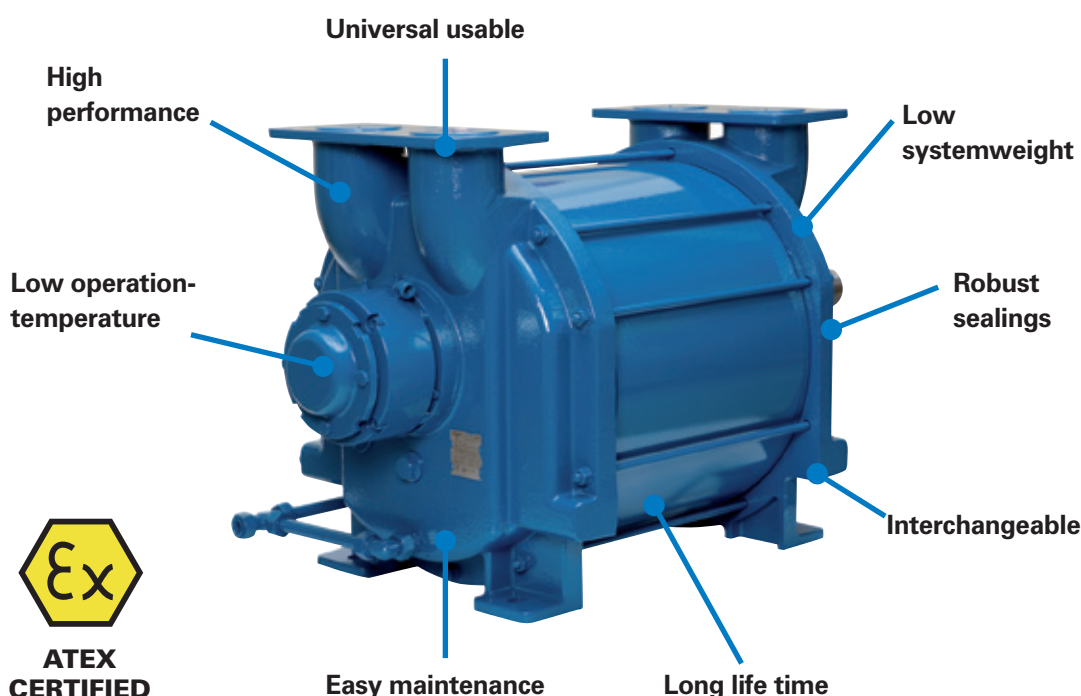


The design of the new **SL B** offers good efficiencies over a wide range of turning speeds resulting in high suction capacities, low power consumptions and ease of control.

The new **SL B** is a compact vacuum pump with small external dimensions, high power density and low weight. There are three pump sizes with maximum flow rates from 2000 up to over 3000 m³/h.

The **SL B** pumps are applicable in vacuum operation with suction pressures down to 150 mbar. They can also be used as compressors giving up to 1,5 bar overpressure.

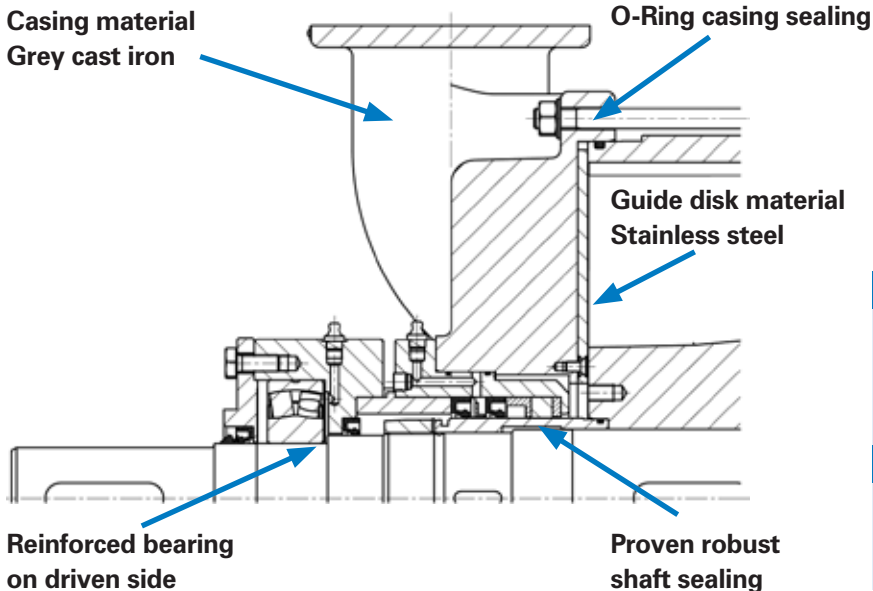
The advantages of the new liquid ring vacuum pump SL B:



ATEX
CERTIFIED

SL B 2100/2700/3100

Design details of the SL B:



OPERATING DATA

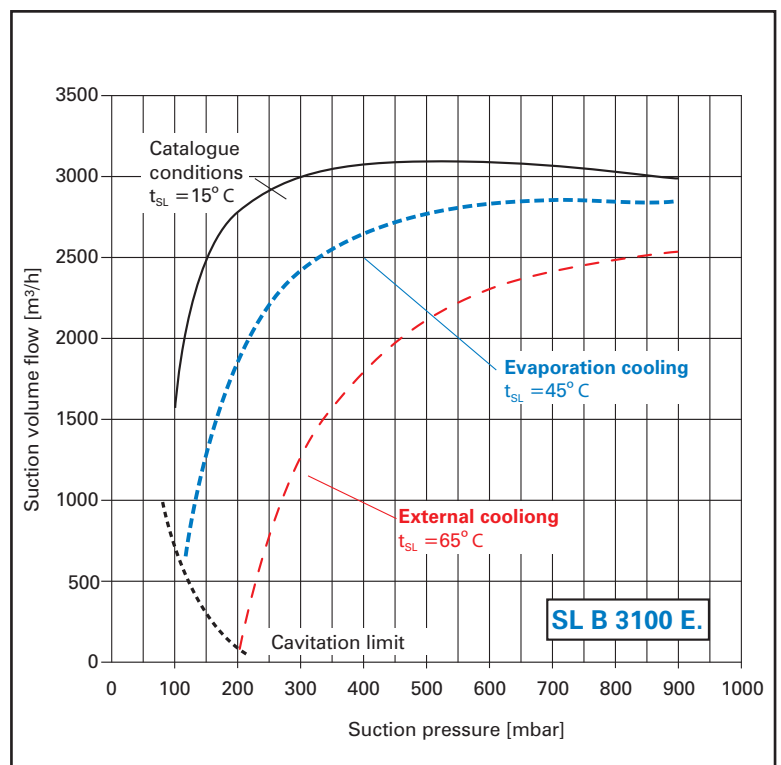
Speed:	800 to 1600 rpm
Min. suction pressure:	150 mbar
Max. discharge pressure:	1,5 bar (overpressure)

SUCTION VOLUME RATE

SL B 2100:	1010 to 2190 m ³ /h
SL B 2700:	1350 to 2700 m ³ /h
SL B 3100:	1360 to 3080 m ³ /h

More customer benefits with the new internal evaporation cooling:

- ✓ Optimized hydraulic design with an effective internal cooling of the service water
- ✓ Resulting advantages for the user
 - Low operation temperature
 - Lower suction pressures
 - Higher suction volume flows
 - Shorter evacuation times
- ✓ Alternative effects
 - Reducing of the pump speed
 - Lower power consumption
- ✓ Lower system weight
 - Elimination of an external cooler for the service water reservoir
 - Smaller recommended water reservoir
 - Higher load capacity of the waste disposal vehicle
- ✓ Cost-efficient and environment-friendly overall solution



The new SL B is interchangeable to the previews SL A without any problems.

Europa

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