



## Vacuum pumps for sterilisers

**SIHI***sterivac*

Compact, two-stage design, reliable and quiet

## **New vacuum pump from Sterling SIHI**

### **SIHI***sterivac* ... innovative Vacuum Pumps for use in Sterilisers



Sterilisers are a key feature of hospitals, laundries and laboratories in both science and industry.

In addition to their role in infection control, they are used in a range of other tasks including product and component testing and quality assurance.

Sterilisers are often one of the last items to be planned and purchased in a project. Hence, the space available can be limited.

For this reason the **SIHI***sterivac* is offered in compact designs, with low power consumption and low noise. These features offer the benefits of savings in utility costs and quiet operation.

### **SIHI***sterivac* ... compact,

**two-stage design,  
reliable and  
quiet**

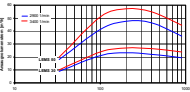


# SIHI<sup>sterivac</sup> ... the innovative design

The innovative design of the **SIHI<sup>sterivac</sup>** incorporates the benefits of both single and two-stage liquid ring vacuum pumps. Single-stage vacuum pumps are compact and simple to service due to fewer wearing parts. Two-stage vacuum pumps generate a more stable vacuum compared to single-stage designs and are also quieter.



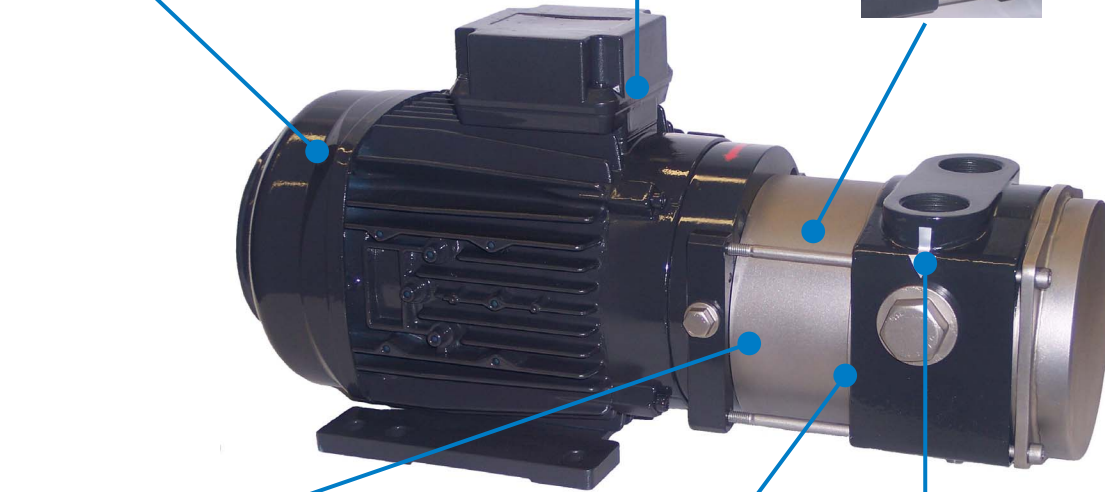
**Quiet operation**  
Sound level < 63 dB(A)



**Dual-frequency drive motor**  
(50 and 60 cycles)



**Integrated cavitation protection** (no need for a vent valve on suction side)



**Corrosion resistant material**  
- casing in grey cast iron  
- guide disc in stainless steel  
- impeller in bronze



**Adjustable gas inlet connection** (vertical or horizontal)



**Simple to service**  
- casing sealed with an O-ring  
- no gap clearance adjustment  
- no special tools required  
- fewer wearing parts

## Pump range

Type	Motor power	Suction volume capacity	Suction pressure	Dimension l x w x h [mm]
<b>LEMS 30</b>	50 Hz – 1.1 kW	50 Hz - max. 23 m <sup>3</sup> /h	50 Hz - min. 33 mbar	393 x 176 x 229
	60 Hz – 1.5 kW	60 Hz - max. 27 m <sup>3</sup> /h	60 Hz - min. 33 mbar	
<b>LEMS 55</b>	50 Hz – 1.5 kW	50 Hz - max. 48 m <sup>3</sup> /h	50 Hz - min. 33 mbar	443 x 176 x 229
	60 Hz – 2.2 kW	60 Hz - max. 57 m <sup>3</sup> /h	60 Hz - min. 33 mbar	

# Features and benefits

## ✓ Compact design

The **SIHI<sup>sterivac</sup>** is smaller than existing two-stage vacuum pumps. Additionally the gas inlet can be connected vertically or horizontally.

## ✓ Quiet operation

The noise level of the **SIHI<sup>sterivac</sup>** is less than 63 dB(A).

## ✓ Robust and reliable

The **SIHI<sup>sterivac</sup>** is not affected by fluctuating service liquid temperatures. It can operate for short periods at a service liquid temperature of 60 °C. Due to the integrated cavitation protection, there is no loss of performance if cavitation occurs.

## ✓ Simple to service

The **SIHI<sup>sterivac</sup>** can be dismantled and assembled without special tools. Due to the simple hydraulic design the adjustment of the gap clearance is not required.

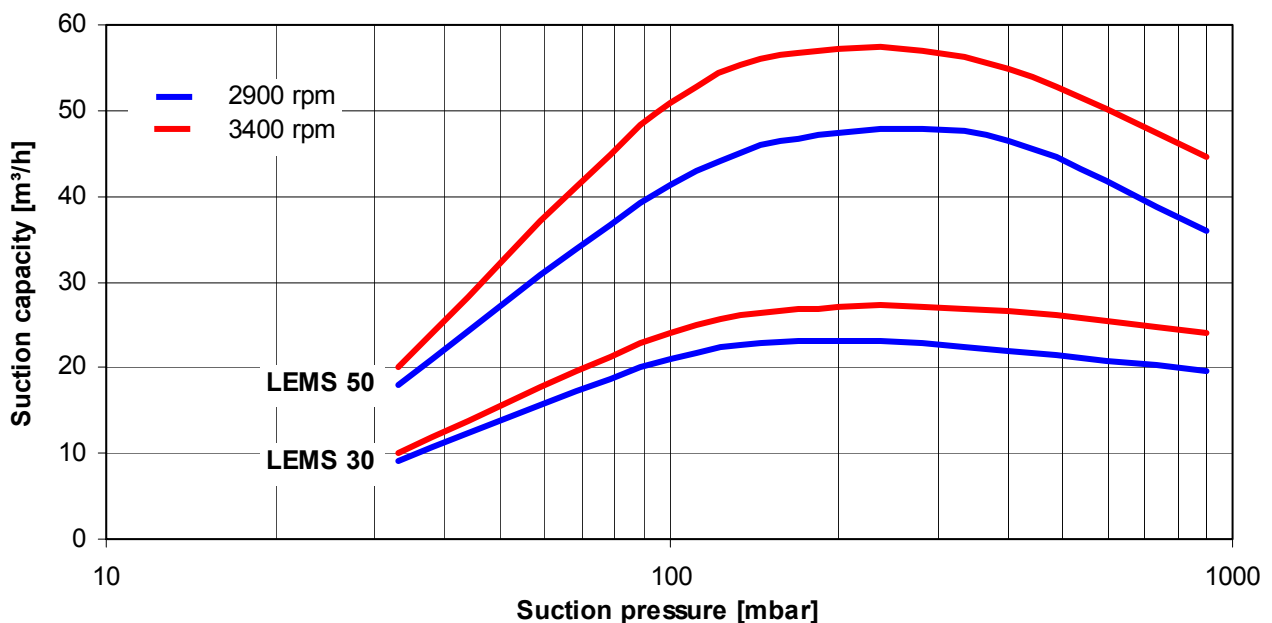
## ✓ Interchangeability

The **SIHI<sup>sterivac</sup>** can easily and simply replace existing vacuum pump units of single and two-stage designs.

## ✓ Simple installation

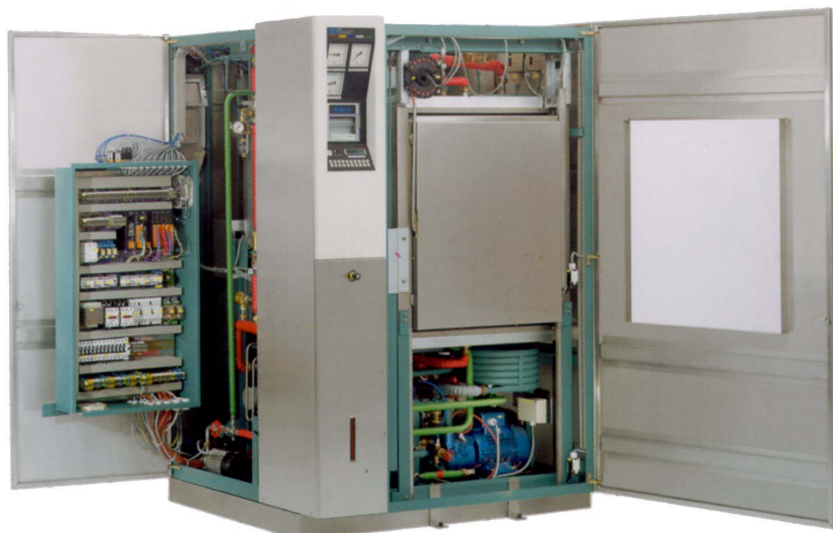
The use of a vent valve on the suction side is not necessary due to the integrated cavitation protection of the **SIHI<sup>sterivac</sup>**. The dual-frequency drive motor of the **SIHI<sup>sterivac</sup>** can be used for 50 and 60 cycles.

# Performance data





# SIHI<sup>sterivac</sup> ... simple and safe



## Addresses Europe

### Sterling Fluid Systems (Austria)

Wien  
Telephone: +43 (0)1 680 050  
Fax: +43 (0)1 680 0521  
E-Mail: sales\_austria@sterlingsihi.de

### Sterling Fluid Systems (France)

Trappes  
Telephone: +33 (0)1 34 82 39 00  
Fax: +33 (0)1 34 82 39 61  
E-Mail: sterlingsihi@easynet.fr

### Sterling Fluid Systems (Hungary)

Veszprém  
Telephone: +36 (0)88 40 66 33  
Fax: +36 (0)88 40 66 35  
E-Mail: sales\_hungary@sterlingsihi.de

### Sterling Fluid Systems (Polska)

Warszawa  
Telephone: +48 (0) 22 335 24 80/81  
Fax: +48 (0) 22 335 24 82  
E-Mail: sterling@sterling.pl

### Sterling Fluid Systems (Spain)

Madrid  
Telephone: +34 91 709 1310  
Fax: +34 91 715 9700  
E-Mail: mibsa@stnet.es

### Sterling Fluid Systems (Belgium)

Groot-Bijgaarden  
Telephone: +32 (0)2 481 7711  
Fax: +32 (0)2 481 7737  
E-Mail: sales@sterlingfluidsystems.be

### Sterling SIHI (Germany)

Itzehoe  
Telephone: +49 (0)4821 77101  
Fax: +49 (0)4821 771274  
E-Mail: sales@sterlingsihi.de

### Sterling Fluid Systems (Italy)

Monza, Milan  
Telephone: +39 (0) 39 28 241  
Fax: +39 (0) 39 2824 220  
E-Mail: sterlingitaly@sidro.it

### Sterling Fluid Systems (Romania)

Bucuresti  
Telephone: +40 (0) 21 610 7188  
Fax: +40 (0) 21 210 8287  
E-Mail: sales\_romania@sterlingsihi.ro

### Sterling Fluid Systems (UK)

Altrincham/Cheshire  
Telephone: +44 (0)161 9286371  
Fax: +44 (0)161 9252129  
E-Mail: uksales@sterlingfluid.com

### Sterling Fluid Systems (Czech Republic)

Olomouc  
Telephone: +420 587 433 651  
Fax: +420 587 433 653  
E-Mail: sterling@sterling.cz

### Sterling Fluid Systems (Greece)

Athens  
Telephone: +30 (0) 210 957 07 83  
Fax: +30 (0) 210 956 81 21  
E-Mail: sales\_greece@sterlingsihi.de

### Sterling Fluid Systems (Netherlands)

Beverwijk  
Telephone: +31 (0)251 263 232  
Fax: +31 (0)251 226 309  
E-Mail: info@sihi.nl

### Sterling Fluid Systems (Schweiz)

Schaffhausen  
Telephone: +41 (0)52 6440606  
Fax: +41 (0)52 6440616  
E-Mail: info@sterling.ch

## Addresses Americas

### SIHI Pumps (USA)

Grand Island  
Telephone: (1) 716 773 6450  
Fax: (1) 716 773 2330  
E-Mail: mail@sihi.com

### SIHI Pumps (Canada)

Guelph  
Telephone: (1) 519 824 4600  
Fax: (1) 519 824 7250  
E-Mail: mail@sihi.com

## Addresses Asia

### Sterling Fluid Systems (Singapore)

Singapore  
Telephone: (65) 6562 8300  
Fax: (65) 6562 8308  
E-Mail: info.singapore@sterlingasia.com

### SIHI (Australia)

Bayswater  
Telephone: (61) 3 9720 1500  
Fax: (61) 3 9720 4076  
E-Mail: info@sihipumps.co.au

### Sterling Fluid Systems (China)

Shanghai  
Telephone: (8621) 6218 8068  
Fax: (8621) 6217 8086  
E-Mail: info.china@sterlingasia.com

### Sterling Fluid Systems (Malaysia)

Selangor Darul Ehsan,  
Telephone: (60) 3 5885 0331  
Fax: (60) 3 5885 0337  
E-Mail: info.malaysia@sterlingasia.com

### Sterling Fluid Systems (Thailand)

Bangkok  
Telephone: (66-2) 319 2567  
Fax: (66-2) 319 2573/4  
E-Mail: sfssthai@sterlingthai.co.th

### Sterling Fluid Systems (Taiwan)

Taipei  
Telephone: (886) 2 8631 2138  
Fax: (886) 2 8631 2184  
E-Mail: info.taiwan@sterlingasia.com