



SIHI^{modular} - Vacuum Compact Systems



STERLING FLUID SYSTEMS GROUP

SIHI Engineered Systems over 30 years experience in the industry

Sterling SIHI's understanding of the process industry enables its engineers to respond quickly and accurately to any customer's needs.

The Engineered Systems are of a modular design and the standard modules include liquid ring vacuum pumps complete with a motor, service liquid separator, base plate and pump support stool.

The Sterling SIHI modular is used in an extensive range of applications and design options including closed circuits with heat exchangers or liquid make-up facilities without heat exchangers. To meet the duties of the different applications these systems offer eight pump sizes each with a wide range of design options.

Thermostatic control of the cooling water and service liquid maximises the cost benefits through reduced energy consumption. These modular vacuum compact systems are designed for ease of operation and increased safety for any applications. Sterling SIHI modular packages are factory tested before delivery to site. Once on site they require the minimum number of pipework and service connections thereby guaranteeing a reliable and efficient system.

Applications

- Chemical and Pharmaceutical
- Refinery and Process
- Food and Drink
- and many more ...



SIHI modular
Vacuum Compact Systems





Liquid ring vacuum pump

The LEM liquid ring vacuum pump used in these systems are of a single stage design and of simple and robust construction with the following features:

- Compact design
- Isothermal compression
- Oil free
- Ability to handle entrained liquid
- Easy maintenance



Non-return valve

- Ball type design
- Low flow stability
- Various material combinations



Liquid separator

- Separation of gas or steam and service liquid
- Directly mounted on the baseplate
- Large capacity
- Dirt separator

Base plate

- Sheet-steel design
- Robust construction
- Rubber mounting feet or mounting rails
- Pump support stool, dependent on pump size



Electric control panel

- Sheet-steel construction
- Equipment with measuring and regulation technology
- Integrated steering transformer
- CEE electrical connector



Plate heat exchanger

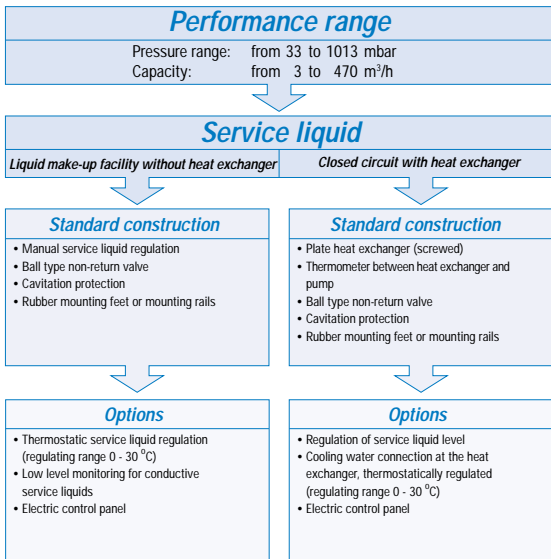
- Screwed construction
- Generous design parameters
- Easy to assemble



Measurement and Regulation

- Manual or thermostatic service liquid regulation
- Manual or thermostatic cooling water regulation for the heat exchanger
- Regulation of service liquid level
- Service liquid level and temperature gauges





SIHI^{modular} - The Advantages

- *Compact*
- *Proven technology*
- *Established designs*
- *Easy maintenance*
- *Accessory options include:*
 - *Gas ejectors*
 - *Vacuum limit valves*
 - *Vacuum measuring devices*
 - *Flow and temperature monitoring systems*
 - *and many more...*