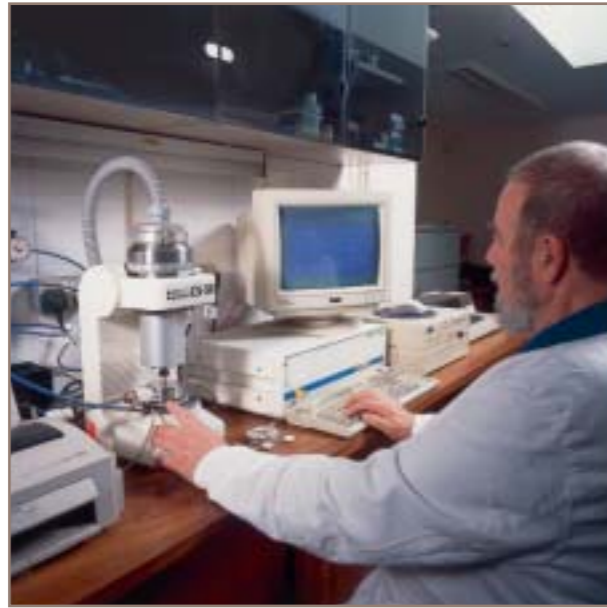


Our rheology laboratory provides essential data for present and future applications.



State of the art CNC & DNC technology provides unparalleled component accuracy and repeatability.



Dedication to quality control ensures problem-free performance from our products.



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineering solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuff, starch and pharmaceuticals.

Our worldwide organization works closely with customers in more than 100 countries to help them stay ahead.

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com for more information.



Rotary Lobe Pumps SRU/SX

The Pure and Simple Choice



Alfa Laval – Pumps at the Forefront

Rotary lobe pumps from Alfa Laval remain at the forefront of this technology providing an efficient gentle pumping action for low, medium and high viscosity media. Their robust construction and innovative design offers flexibility of use, greater reliability and reduced operating costs.

More than 40 years of commitment to rotary lobe pump technology sustains Alfa Laval as a market leader. Integral to the Alfa Laval policy of setting the highest standards is our investment in research and development. A key component of this commitment is highlighted by our longstanding investment in a rheology laboratory providing essential pumped media data for both existing and new application opportunities.

The SRU and SX ranges offer a choice of 26 models with flow rates up to 115m³/h and their modular design provides a cost effective selection of the right pump for your process.

The SRU rotary lobe pump is Alfa Laval's core product and is designed to meet today's high standards requirement from process industries worldwide.

The SX rotary lobe pump is the ultimate solution for ultra-clean processes where pumped media integrity and the cost of the finished product are paramount in equipment selection decisions.

In this brochure you will find an overview of the Alfa Laval SRU and SX rotary lobe pumps. For technical specifications and details, please refer to our product data sheets provided by your local Alfa Laval supplier.



Alfa Laval's rotary lobe pumps offer great flexibility. Drive units can be mounted on stainless steel baseplates or mobile trolleys depending on application needs.



Interchangeable bolt on foot component enables vertical or horizontal port configuration.

SRU – Proven Performance and Reliability

The SRU range of rotary lobe pumps is designed for use in a wide diversity of applications within the dairy, food, beverage, pharmaceutical, personal care and other such industries. SRU pumps can handle from low to high viscosity media and are suitable for Cleaning in Place (CIP) and Sterilise in Place (SIP) procedures.

The characteristic smooth, low shear pumping action of the SRU is ideal for pumping media such as creams, gels, emulsions, aerated mixtures, and delicate cells and organic solids in suspension.

SRU pumps provide flow rate performance up to 106 m³/h dependent upon application.

- Heavy Duty Construction

The robust construction of our SRU pumps features a heavy-duty cast iron gearbox incorporating taper roller bearings for maximum reliability in the most arduous applications. As standard all media wetted pump head components are manufactured in 316 type stainless steels including the pump shafts. High strength Duplex, stainless steel shafts are used on all SRU high pressure models. Other material options are available to order.

- Horizontal or Vertical Porting

SRU pumps are available in both horizontal and vertical port configurations with progressive port sizes and connection options to provide maximum compatibility with existing installations and processes.

- Precision Rotor Options

High precision stainless steel Trilobe rotors are the standard for the SRU range with bi-lobe rotors

providing alternative rotor geometry and non galling alloy material options for special applications. All rotor options operate with close tolerance clearances within the casing with no metal-to-metal contact thereby reducing the risk of system contamination.

- Involute Splines

Involute splines enable precise radial location for the rotors and provide maximum power transmission. In combination with the precision rotors this feature permits minimum rotor clearances for high efficiency operation as well as guaranteed rotor interchangeability.

- The Right Seal for Your Application

Alfa Laval's SRU pumps offer a choice of sanitary seals available as single, single-flushed and double-flushed arrangements in a wide variety of material configurations to suit the most demanding application.

- Drive Selection Options

A wide variety of prime mover options are available which can be configured to suit your requirements. Standard electric motor drive units can be mounted on our stainless steel bases or mobile trolleys depending on application needs.

- Pump Head Mounting

SRU pumps are designed with an air space between the gearbox and pump head which, in conformance with USA 3A guidelines, reduces the risk of cross contamination and enables any leakage to be detected easily.

SX – The Optimum Choice for Ultra-clean Processes

The SX range of rotary lobe pumps is designed for a wide range of demanding applications within the pharmaceutical, biotechnology, personal care and speciality food industries. Validated by the European Hygienic Equipment Design Group (EHEDG) as fully CIP clean-able to their protocol, the SX range is ideally suited for applications where the integrity of the media is paramount. SX pumps are also suitable for Sterilise in Place (SIP) cleaning procedures.

SX pumps provide flow rate performances up to 115 m³/h dependent upon the application.

- Front-loading Seal Options

The SX is currently the only EHEDG accredited pump range in which all seal options are considered to be truly front loading. This unique design provides the optimum seal positioning for maximum cleanability with fast and simple maintenance.

- Unique Self-cleaning Rotor Retention Device

This device provides easy access to the product seals thus eliminating complex disassembly thereby considerably reducing downtime. Combined with this the unique geometry of the design ensures that the cleanability of the pump head is maintained.

- High Performance Multi-lobe Rotor Technology

High precision rotors provide high volumetric efficiency, low shear pumping action and smooth output flow.

The stainless steel four-lobe rotors run with close tolerance clearances within the casing with no metal-to-metal contact thereby reducing the risk of system contamination.

- Ultimate Hygiene Integrity

Controlled compression joints the latest in elastometric barrier technology and a fully sealed rotor/shaft spline are used in place of 'O' rings in all pumped media/atmosphere interfaces providing the optimum in static sealing.

- Porting for Maximum Drainability

SX pumps are available in both horizontal and vertical configurations, with progressive port sizing and connection options to provide maximum compatibility with existing processes. The vertical configuration is to enhance draining of the pump.

In addition to EHEDG validation the SX range also conforms with USA 3A guidelines

