

# Heat Exchange Modules

complete packaged solutions



**spirax**  
**/sarco®**

# Packaged Heat Exchanger Solutions

## Engineered Solutions for Steam to Water Heat Exchangers

Spirax Sarco is recognized as the industry leader in providing solutions to all of your steam and condensate needs. We have used our unique experience in the proper control and efficient use of steam to design solutions for your hot water requirements. All our packages are designed to meet your minimum hot water demand requirements with highly efficient steam control, heat exchanger design and condensate removal systems.

Spirax Sarco has developed a full range of products for the control and efficient use of steam, and has a proven ability in the provision of complete steam to water heat exchanger systems.



# engineered engineered systems solutions

### Features

### User benefits

● Compact design.	● Requires limited floor space for installation.
● Control Valves specifically designed for steam.	● Efficient, long lasting valves reduce maintenance costs.
● Efficient condensate removal.	● Improved efficiency by eliminating backup of condensate in the steam space.
● One source of supply.	● All components are selected to suit your needs with only one vendor, Spirax Sarco.
● Highly efficient Plate and Frame or Corrugated Shell and Tube designs available.	● Maximized heat transfer reduces energy consumption.
● Easy maintenance.	● Easy to maintain products keep maintenance costs low and downtime to a minimum.
● All piping connections on one side.	● Easy to install design reduces installation costs.
● Hot water on demand.	● Hot water on demand improves process efficiency or comfort heating.

# Knowledge . . .Service . . .Products and Systems

Whether it be preassembled steam tracing manifolds or modular pumping systems, Spirax Sarco has the answer. Our Engineered Systems program utilizes over 85 years of experience to provide complete modular solutions for steam users worldwide. To insure maximum safety and performance, all fabrications are performed by

ASME Section IX certified welders in accordance with the ANSI/ASME B31.3 Piping Code. Spirax Sarco's unmatched quality standards, which require a component functional and 100% hydrotest, apply to each and every assembly, regardless of size or complexity.



Through our Engineered Systems program, Spirax Sarco provides a wide range of modular and preassembled steam systems to various industries around the world. Let us help you to increase your operating efficiency and complete your project ahead of schedule and under budget.

#### A partial list of satisfied customers

Fluor Daniel	Ciba Geigy	Miller Brewing
Amoco Chemical	US Steel	Lyondell-Citgo
Monsanto	Riceland Foods	DuPont
Mead Container	International Paper	Pfizer
Ethicon	Foster Wheeler	GE Plastics
Exxon Chemical	Technipetrol	Pritchard
Rust International	M.W. Kellogg	

# engineered

## engineered systems solutions

fully matched components



### Pressure, temperature and flow controls

Spirax Sarco manufactures a complete range of controls from simple self-acting controls to sophisticated control loop systems.

The range includes pneumatically and electrically actuated two and three port valves, positioners, programmable electronic controllers, pressure reducing, surplussing and direct acting valves, safety valves, self-acting temperature controls and high limit cut-out valves.

### Condensate recovery and pumps

Maximizing the energy efficiency of your system is essential including returning condensate to the boilerhouse. Spirax Sarco's unrivalled range of condensate handling equipment, automatic pumps and a complete range of steam traps will achieve this effectively and economically.

The range includes automatic steam or gas powered fluid pumps, combined automatic pump and traps, electric condensate recovery units, steam traps, flash steam recovery vessels, and condensate contamination detection systems.

### Heat exchange

Whatever the process or application, Spirax Sarco can provide a wide range of solutions for numerous heat exchange needs.

They all provide operational economy linked with outstanding performance.

### Service

Spirax Sarco will work in partnership with you to ensure a long and useful life for your equipment, while optimizing plant efficiency. Our level of product knowledge and experience in steam engineering ensure you that factory trained assistance is only a phone call away.

### Training

Spirax Sarco provides a wide program of seminars, correspondence and training courses which are applicable to a large number of industries.



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