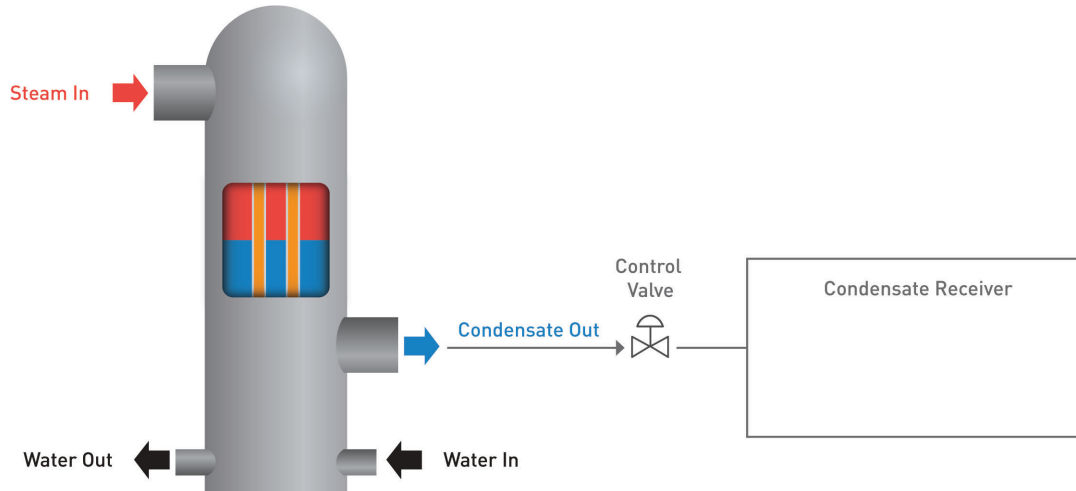


The SCCS® Heat Exchanger



SCCS® vertical shell and tubes heat exchanger

Durability

Lalonde Systermique has designed exclusive SCCS® shell and tubes and finned coil heat exchangers, built in Canada according to our specifications. Their unique designs and their vertical configuration allow them to modulate over a large spectrum of temperatures, without being prone to water hammer. Consequently, our exchangers have a useful life of 25 years.

Since our exchanger does not require a condensate pump, it generates considerable savings on installation and future maintenance costs.

Precision and versatility

The SCCS® vertical exchangers are compatible with both batch process and continuous process.

A careful study of the client needs allows us to select an exchanger and design its control scheme in order to maximize the heat transfer rates and provide a precise control. That is why we can guarantee and output temperature at **± 0.5 °F from the required temperature.**

Our vertical heat exchanger is available for all types of steam-liquid exchanges (pasteurization, water preheating, etc.)

Reliable and sturdy configuration

Shell and tubes heat exchangers installed horizontally with control on the steam side are prone to water hammer and temperature fluctuations. When the heat demand decreases, it generates a drop in the steam pressure that feeds the exchanger. The condensation of steam at low pressure creates a vacuum that retains the condensate in the exchanger, a phenomenon that is responsible for water hammer, corrosion and lack of control (insufficient heat).

In many plants, heat exchangers are replaced every two years as a result of damage caused by water hammer. The Lalonde Systermique SCCS® heat exchangers avoid these issues and expand the useful life of your steam system equipment.

Call us to learn more, or visit
www.systermique.com

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 **lalonde**
systermique
The SCCS® Group
Steam-Condensate Closed System