

# CSM-C

compact clean steam generator



**spirax/sarco**

# Compact clean steam generator

Spirax Sarco, the world's leading steam system specialist, has combined modern technology with package design expertise to create a compact generator capable of producing clean steam to the highest quality standards.

The microprocessor-controlled unit uses treated feedwater and plant steam to produce steriliser-grade clean steam.

The standard range covers clean steam duties up to 600 kg/h at 3 bar g.

The pre-assembled, skid-mounted package arrives factory tested and ready to be connected to your utilities.

The CSM-C is a compact unit. It will fit through your plantroom door, offering maximum output for minimum footprint

The standard range of outputs are up to 600 kg/h

PLC controlled with touchscreen commissioning for simple operation



Factory tested

The CSM-C is fully maintainable from all sides

All wetted parts on the secondary side are 316L stainless steel

The CSM-C is fully HTM 2031 compliant

The preheat system heats and circulates the feedwater, ensuring the removal of soluble gases prior to entering the boiler

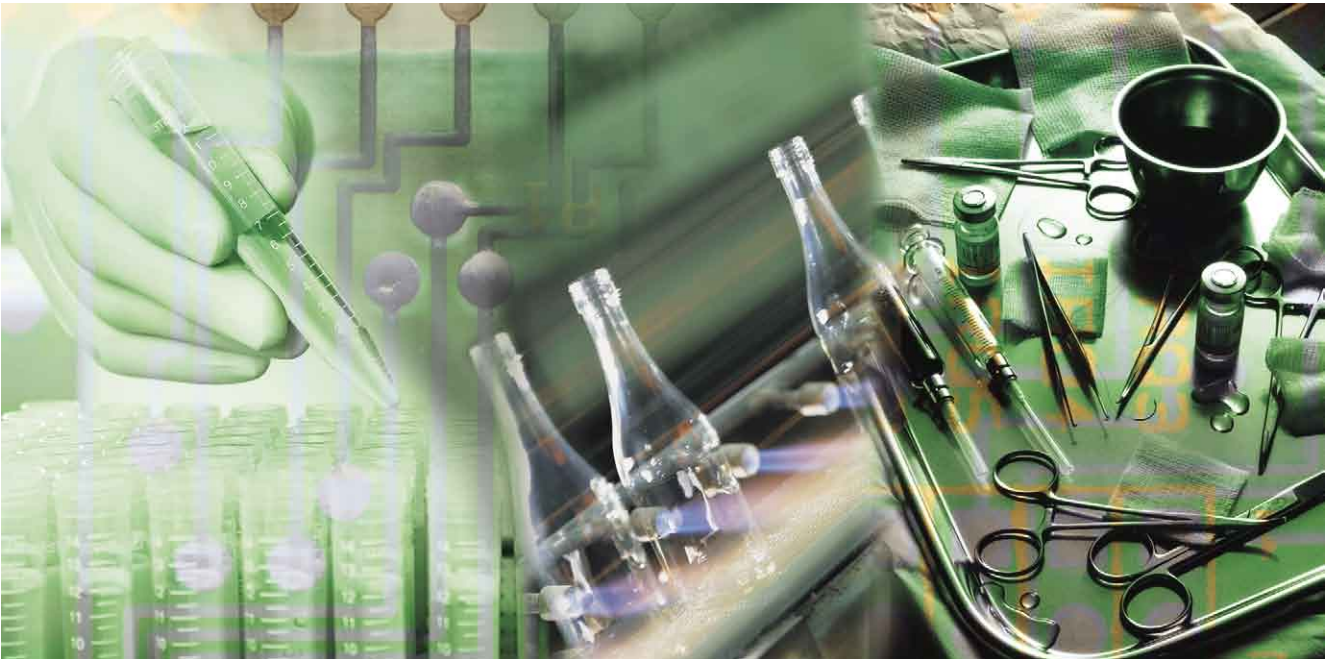
# The range at a glance

Model	Clean steam capacity	Energy source	Options
CSM - C300	300 kg/h	Steam	Stainless steel cabinet
CSM - C600	600 kg/h	Steam	Stainless steel cabinet

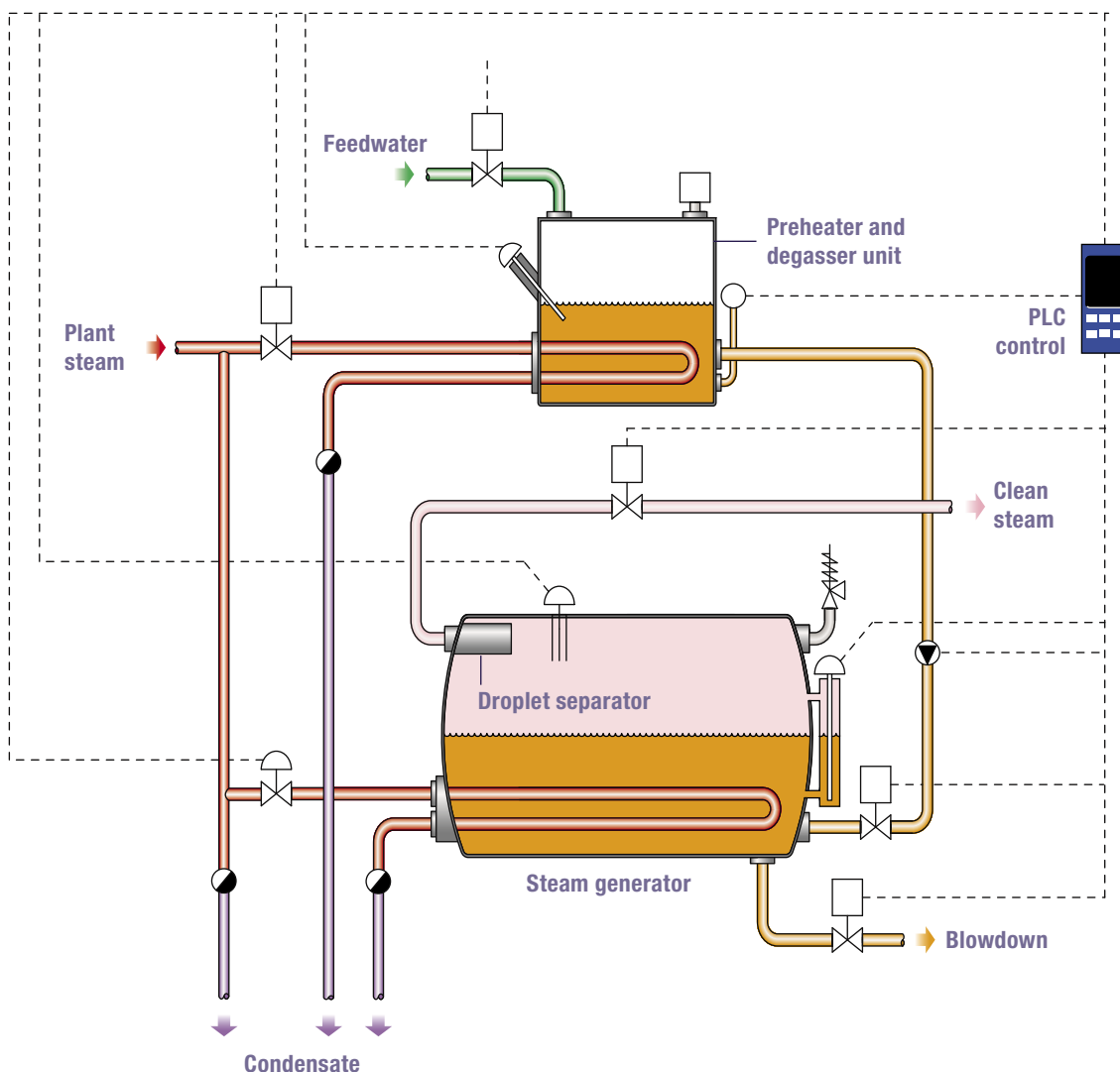
## Applications

The CSM-C is ideal for use where steam purity and consistency of quality is critical to the process - some user examples are listed below. For other applications or industries please contact your Spirax Sarco representative.

Applications	Industries
Sterilisers	Healthcare
Sterilise in place (SIP)	Food and beverages
Direct injection into the product	Pharmaceuticals
Clean room humidification	Biotechnology
Operating environments	Electronics
Laboratories	Brewing



# How does the CSM-C work?



## The package promise

We have long recognised that our customers want assistance with complex steam applications which do not form part of their core business.

We will assess your clean steam requirements, provide pre-engineering services, supply and advise on the installation of the generator and assist in start-up, and commissioning.

You will deal with one vendor throughout the whole process, who will take on the responsibility for everything, leaving you to do what you do best – running your business.

The CSM-C is a packaged solution to your clean steam needs. Its compact design includes everything required to turn water into the right fluid for your clean process.



# Key features and benefits

## Key features

## Key benefits



**Proven design raises clean steam efficiently.**

High quality clean steam meets the healthcare standards HTM 2010 and HTM 2031, and the requirements of EN 285.



**Pre-assembled unit.**

Minimal installation time and trouble-free commissioning.  
One vendor.



**Precisely matched automatic controls give constant output.**

Clean steam supplied to your process at the correct pressure and flowrate however demand fluctuates.



**Compact modular design.**

Fits through a plantroom door, saves floor space.  
Maximum output for minimum footprint.  
Multiple units can be connected together side by side.



**PLC control with touchscreen visual display.**

Rapid, simple commissioning.  
Accurate operation.  
User can easily view the operating parameters.



**High quality, low maintenance components.**

Reliable operation with low cost of ownership.



**All wetted parts on the secondary side are 316L stainless steel.**

Prevents risk of corrosion or contamination of clean steam supply.



**Can be connected to remote control system.**

Flexibility of control and the convenience of remote monitoring.



**Designed and built in full accordance with PED 97/23/EC.**

Fully traceable manufacturing documentation available.



**Range of service agreements to suit your requirements.**

Safety and efficiency assured - you can concentrate on your core business while we do the rest.

## Group companies

### Africa

South Africa

### Americas

Argentina  
Brazil  
Canada  
Mexico  
USA

### Asia

China  
India  
Japan  
Korea  
Malaysia  
Singapore  
Taiwan  
Thailand

### Australasia

Australia  
New Zealand

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Switzerland  
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Venezuela

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UAE

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Romania  
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Turkey

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Jordan  
Kuwait  
Lebanon  
Oman  
Qatar  
Saudi Arabia  
Syria



Some products, services or solutions may not be available in certain markets

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