

Steam heating services
for better healthcare



spirax
/sarco

Reliable and effective solutions

Improving patient care

Reliable and effective building services are needed to create the comfortable, well-maintained environment that is vital in helping patients get better.

For decades, Spirax Sarco has supplied the UK healthcare industry with steam control systems for building services and sterilisation. Engineering staff throughout the sector know us for our high quality products and knowledgeable approach.

A healthy focus

The National Health Service continues to be an important customer segment for Spirax Sarco and one into which we put much effort.

Our strategic focus on NHS ProCure 21 means we continually evolve the technical and commercial processes that enable Spirax Sarco to fulfil the requirements of the NHS ProCure 21 Supply Chain model. Such standardised processes ensure a reliable and high quality service at all times.

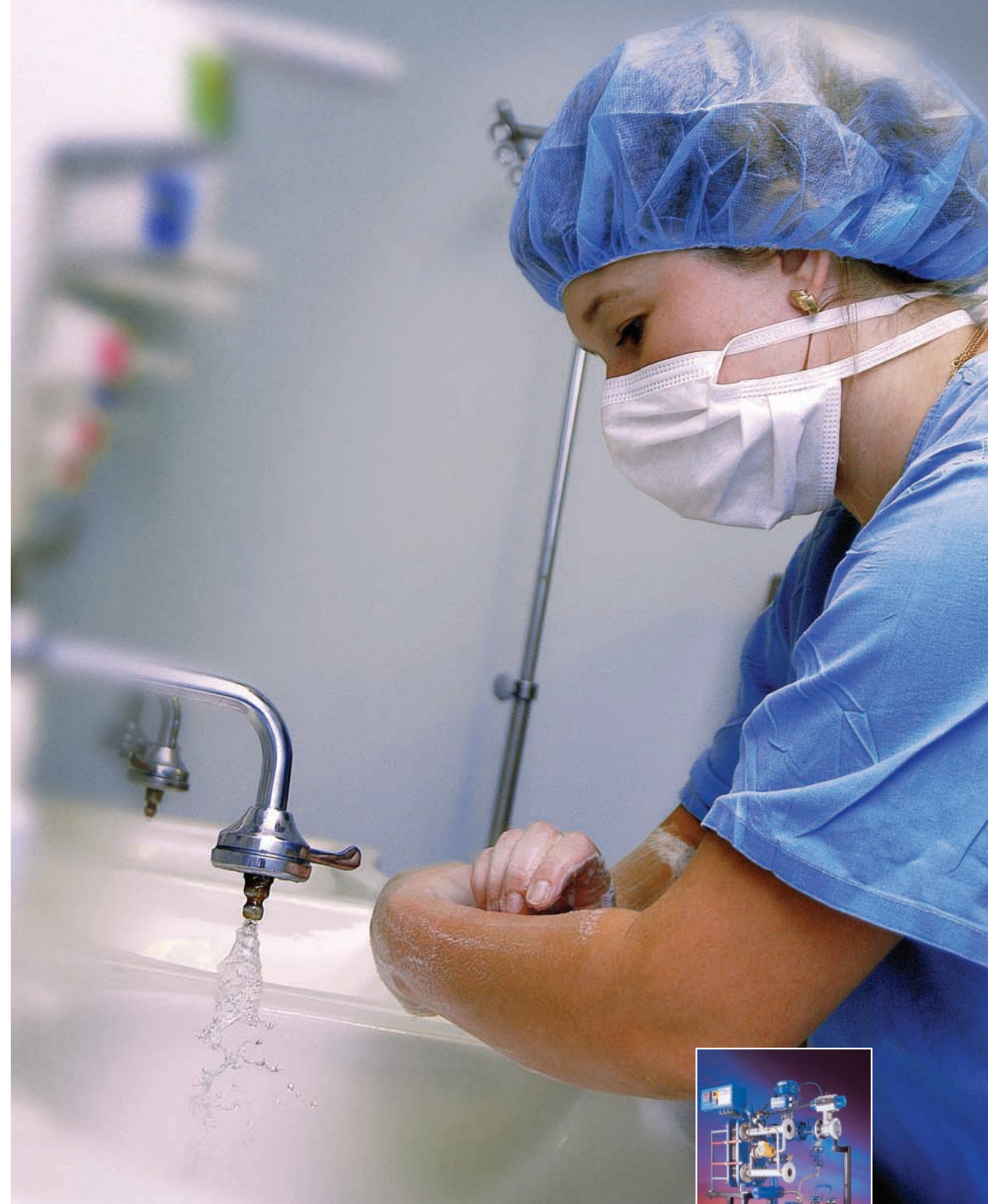
Engineered to fit

Our innovative Engineered Systems simplify and accelerate the specification, purchasing and installation of building services and other plant.

Engineered Systems are designed, fabricated and assembled off-site by Spirax Sarco to meet the duty specified for a particular project. Each system comprises all the equipment needed and is factory tested before delivery to site where it can be quickly installed and commissioned.

Knowledge comes first

Even a concept as good as Spirax Sarco Engineered Systems can only succeed if it is backed by a high level of technical expertise, knowledge and practical experience. Ensuring that each system is designed and built to match healthcare needs is a skill that Spirax Sarco has developed over many years.



Hot water

Keeping your costs down

Providing true value for money

NHS ProCure 21 highlights "standardisation and off-site construction" as offering significant benefits to the NHS, including faster construction, greater reliability, better productivity and lower costs. These benefits are well recognised in many areas, such as packaged boilers and packaged switchboards.

Spirax Sarco has been at the forefront of developing steam plant packages.

Engineered Systems are skid-mounted, factory-built modules designed and fabricated for a specific application using products from Spirax Sarco's vast range of fluid control equipment.

The systems include all the components needed to meet the required demand, such as heat exchanger, steam conditioning equipment, controls and condensate recovery equipment. Systems are delivered to site pre-assembled and factory tested, for quick hook up to the site's services.

Engineered Systems can be built for virtually any health building service application and the most popular systems are:

- Boilerhouse Engineered Systems providing full control and heat recovery for the boilerhouse
- Hot Water Engineered Systems providing instantaneous and efficient hot water supplies, from domestic (DHW) to high temperature (HTHW)
- Clean Steam Generators providing clean steam on demand for sterilisation applications
- Flowmetering Stations providing accurate steam metering for fiscal control

Engineered Systems - value for money

Spirax Sarco Engineered Systems bring greater value for money than traditional plant built on site:

- **Lower administrative and commercial costs** - single supplier sourcing eliminates the need to deal with multiple suppliers
- **Reduced design costs** - Spirax Sarco designs and engineers each system to meet the application's demands, substantially cutting the specialist design workload on the Principal Supply Chain Partner (PSCP)
- **Less project management** - off-site construction simplifies site management and cuts the cost of skilled labour on site
- **Less civil engineering** - Engineered Systems are compact and can be built to fit small and awkward site spaces, which often eliminates the need to build or extend plant rooms
- **No risk of cost or time overruns** - responsibility for correct operation of the system rests with Spirax Sarco, eliminating the risk of performance shortfalls that are costly and time consuming to fix
- **Low operational costs** - matched components and factory-quality construction increase plant reliability, efficiency and lifespan
- **Low maintenance costs** - factory-built systems tend to be more reliable than site built plant which, with lifetime support from Spirax Sarco, reduces maintenance costs

More than Engineered Systems

Our products, from flowmeters to valves and much more, cover all aspects of the steam and condensate loop, as well as many other fluid control needs.

Our services, including installation, commissioning, service contracts and steam plant surveys are all fully supported by Spirax Sarco's dedicated and experienced Service Engineers.



Sterilising

A partner you can trust

Spirax Sarco as a reliable Supply Chain Member

NHS ProCure 21 places a strong emphasis on the performance and reliability of the supply chain and all its partners. As market leader in its field, we believe Spirax Sarco has the qualities to be an important Supply Chain Member.

Knowledge sharing

We place a high value on the knowledge and expertise in the organisation and share it through a culture of continuous learning. We also make this knowledge accessible to our customers via our Training Centre courses and via the Learning Centre on our website: www.spiraxsarco.com

As an accredited *Investor in People* company, training is at the core of Spirax Sarco.

Service commitment

As well as its products, Spirax Sarco offers a wide range of services dedicated to helping our customers identify, improve and sustain their plant's efficiency. Using our technical support and services we will work

with you to design and implement improvements to your system, and then help you to maintain the resulting performance gains.

Adding value

We constantly strive to add value for our customers by applying our experience and expertise to the needs of healthcare building services. Furthermore, our knowledge-led approach leads us naturally to innovative ways of solving customer needs. Our Engineered Systems are testament to this.

A sound partner

Spirax Sarco has been bringing benefits to steam users for more than a century and is part of the Spirax Sarco Engineering Group, which has a turnover of £314m.

We operate to the highest quality ISO 9000 : 2000 standards and invest in continual improvement throughout the business.



Heating

Adding value to patient care

Constant hot water benefits patient care

Patients at York District Hospital are enjoying constant supplies of Domestic Hot Water (DHW) at the right temperature, following the installation of eight Spirax Sarco Engineered Systems.

Replacing shell and tube vertical heat exchangers, the Engineered Systems have overcome poor temperature control. As well as providing a reliable supply of DHW, the Engineered Systems have saved energy and substantially cut maintenance costs.

“Spirax Sarco provides high quality products and the back up is excellent - they have always had a good name”.

Mechanical Services Manager, York District Hospital.



Improving the welfare of surgery patients

Spirax Sarco automatic pump traps have eliminated excessive noise from plant rooms above operating theatre suites at St James Hospital in Dublin. The noise was so bad at times that anaesthetists struggled to properly monitor patients in surgery.

The disruptions occurred daily in warm weather and at night when the heat exchangers, used for hot water and domestic hot water supplies, were under low load conditions.

“The pump traps have completely cured the problem. Before, we had to react immediately to regular complaints, which took up a lot of maintenance manpower.”

Energy Officer, St James Hospital, Dublin.

Saving energy and maintenance costs

Three Spirax Sarco Engineered Systems are providing heating and hot water for the University Hospital of Wales, Cardiff. Replacing existing calorifiers, which had only the most basic controls, making them inefficient, the Engineered Systems bring energy savings and reduced maintenance costs.

The controls on the three Engineered Systems are configured to interface with the hospital-wide building management system (BMS). The BMS allows the control and monitoring of alarms on any of the automated plant systems from one computer.

“Spirax Sarco has been very helpful in configuring the packages for the BMS and to get them through awkward access into the plant room.”

Energy Support Officer, University Hospital of Wales, Cardiff.



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