

Steam System Conditioning Service Contract



A steam system conditioning program offering first class service and maintenance

Spirax Sarco Steam System Conditioning can help you increase the efficiency of your plant, reduce your energy consumption, lower your maintenance costs and reduce plant downtime associated with the management of the water and steam quality within your steam system.

Unlike traditional suppliers of water treatment chemicals who focus on the boiler, Spirax Sarco also considers the steam and condensate system. We know a 'clean' boiler is only part of the picture and water conditioning must optimise the overall efficiency of the entire system. The supply of water conditioning chemicals enables us to complete the package, however our focus is delivering added value.

The key benefits to you from our added value approach are:

- Reducing the cost of ownership and plant downtime
- Maximising the heat transfer throughout the steam system.
- Minimising chemical, water and energy usage.
- Conserving the use of water and energy through reclaim/reuse.

An initial assessment of your boiler house and system will enable us to establish whether a full conditioning audit is appropriate.

Steam System Conditioning Audit

The audit is tailored to site requirements and gives recommendations for your steam system conditioning strategy. The key aspects of the audit are:

- **Water and process mapping**
We use mapping to identify how the water and steam quality changes as it progresses through the plant and to assess the likely impact this has on all aspects of the steam and condensate system, including your process.
- **Fingerprinting**
Fingerprinting compares deposit analysis with water quality to establish the root cause of scaling and corrosion present in the steam and condensate system.
- **Environmental compliance**
Reducing your environmental impact and associated costs, whilst ensuring environmental compliance.
- **Defined cost savings, payback and cost of ownership**
An executive summary focuses on defined cost savings, added value projects and cost of ownership. The main report also provides a review of the plant operations and design.

Steam System Conditioning Service Contracts

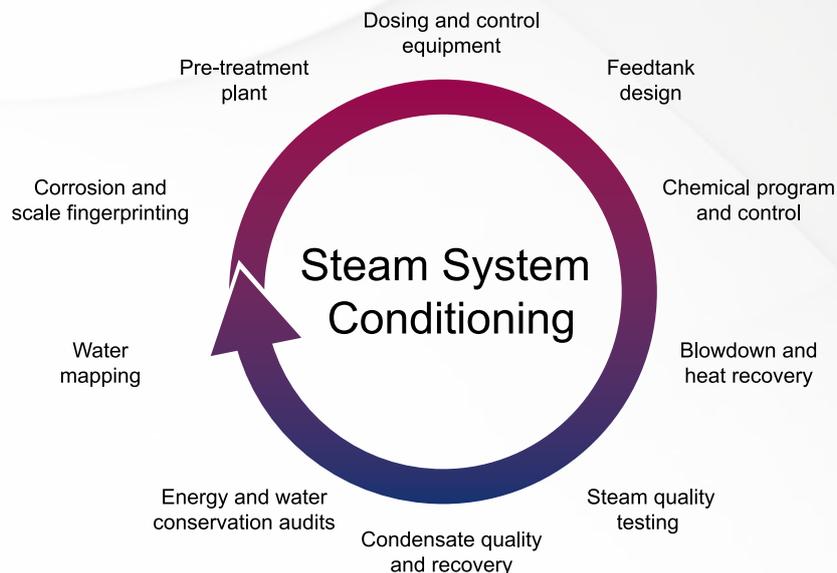
A comprehensive service contract is designed to conserve water and energy, reduce chemical usage and plant downtime. This is an essential part of your steam and condensate conditioning strategy and can include:

- Water conditioning**
 Design and implementation of a chemical and analytical programme to BS 2486, providing scale and corrosion control and support services. Selection, installation and servicing of dosing equipment, pre-treatment plant and control systems.
- Plant integrity check**
 The plant integrity check ensures that both efficient heat transfer surfaces and safe waterside conditions have been maintained. It also audits the effectiveness of the chemical program and plant operations.
- Routine fingerprinting and steam quality testing**
 An innovative approach to investigating scale, corrosion and steam quality issues to maintain plant efficiency and longevity.
- Boiler house logbook and training**
 Provision of boiler house logbook detailing chemical treatment programme, report escalation procedures, operation and safety information and agreed key performance indicators.

- Steam system conditioning awareness training**
 For boiler operators, in accordance with BS 2486, enabling safe and compliant administration of site involvement in the conditioning programme.
- Service contract review**
 Annual business review of the service contract, achieved cost savings and future added value projects to ensure continuous improvement.

About Spirax Sarco

Spirax Sarco partners with steam users and specifiers, worldwide, providing complete solutions to improve the performance of their plant and processes. We have over 80 experienced sales and service staff, in the UK and Ireland, using their application knowledge and steam system expertise, backed by an extensive range of products and services to deliver these steam system solutions.



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