

Spirax Sarco service contracts deliver regular maintenance and servicing of EasiHeat and packaged systems, carried out by specialist Spirax Sarco service engineers. Service reports are designed to reflect the scope of work being carried out and are related to specific plant items. An on-site assessment of heat exchanger system performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:	Service Scope for EasiHeat and Packaged Systems	
	Minor Service	Major Service
Fully service the main control valve, inspect valve internals and rebuild, replacing stem seal and valve gaskets.		
Visual inspection and testing of the main control valve.		
Fully service the high limit control valve, inspect valve internals and replacing valve, seals, diaphragms and gaskets. (Linear and HL Type).		
Visual inspection and testing of the high limit control valve.		
Fully service condensate removal device (FT/APT), inspecting for signs of worn components and checking integrity of castings. Rebuild with new cover gaskets.		
Remove and clean all strainer screens, refitting with new cap gaskets.		
Visually inspect heat exchanger, checking for signs of damage or leakage.		
Check configuration of controllers.		
Visual inspection temperature sensors in situ.		
Inspect panel wiring and check all electrical terminations.		
Visual inspection of inbuilt circulation pump, check for correct operation.		
Visual inspection of inbuilt solenoid/ piston valves, check for correct operation.		
Visual inspection of bypass valves (where fitted). Check setting against designed parameters.		
Full on line functional test of all components.		
Functional test of high limit shutdown device.		
Check that system responds to external signals.		
Test all alarm outputs.		
Test all traps with ultrasonic tester.		
Test on line that system achieves and controls at desired set point.		



Spirax Sarco service contracts deliver regular maintenance and servicing of boiler house equipment carried out by specialist Spirax Sarco service engineers. Service reports are designed to reflect the scope of work being carried out and are related to specific plant items. An on-site assessment of boiler house system performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:	Service Scope for Boiler House	
	Minor Service	Major Service
Boiler Water Level Controls		
Visual inspection of level control and alarm probes in situ, inspecting wiring and checking for signs of damage.		
Remove and inspect the level control and alarm probes from the boiler, checking probe integrity, inspecting wiring and checking for signs of damage.		
Visual inspection and testing of the feed water control valve.		
Visual inspection and testing of the feed water high limit valve.		
Fully service the feed water control valve, inspect valve internals and rebuild, replacing stem seal and valve gaskets.		
Inspect panel wiring and check all electrical terminations.		
Inspect all level and alarm controllers.		
Test all alarm and control functions.		
Test remote shutdown panel.		
TDS Controls		
Visual inspection of TDS probe in situ, inspecting wiring and checking for signs of damage.		
Visual inspection and testing of the TDS control valve.		
Fully service the TDS control valve, inspect valve internals and rebuild, replacing stem seal and valve gaskets.		
Remove and inspect the TDS probe from the boiler, checking probe integrity, inspecting wiring and checking for signs of damage.		
Inspect panel wiring and check all electrical terminations.		
Inspect TDS controller.		
Functionally test operation of TDS control valve.		
Recalibrate TDS controller and ensure set points and alarms are correctly set.		
Timed Bottom Blowdown Controls		
Visual inspection of controller.		
Visual inspection of bottom blow down valve.		
Assess timed bottom blow down setting and reset to ensure optimum boiler efficiency. Record settings.		
Functionally test system for correct operation.		
Feedwater Tank Controls		
Visual inspection of level control and alarm probes in situ, inspecting wiring and checking for signs of damage.		
Remove and inspect the level control and alarm probes from the boiler, checking probe integrity, inspecting wiring and checking for signs of damage.		
Visual inspection and testing of the feed water make up control valve.		
Fully service the feed water make up control valve, inspect valve internals and replacing stem seal and valve gaskets.		
Inspect panel wiring and check all electrical terminations.		
Inspect all level and alarm controllers.		
Test all alarm and control functions.		
Blowdown Vessel		
Functionally test temperature control system for correct operation.		
Visual inspection of vessel.		

Spirax Sarco service contracts deliver regular maintenance and servicing of control valves on temperature, pressure, humidity or flow control applications, carried out by specialist Spirax Sarco service engineers. Service reports are designed to reflect the scope of work being carried out and are related to specific plant items. An on-site assessment of control system performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:	Service Scope for EL/PN Controls	
	Minor Service	Major Service
Fully service the control valve, inspect valve internals and rebuild, replacing stem seal and valve gaskets.		
Inspection of actuator, testing seals and diaphragms.		
Inspect controller panel wiring and check all electrical terminations.		
Visual inspection of actuators and positioners checking all electrical and pneumatic connections.		
Check and reset stroke of valve.		
Check and recalibrate position to ensure correct response to control signal.		
Check configuration of controller to ensure optimum performance.		
Remove and clean strainers protecting control valve.		
Functionally test to ensure that valve controls within required parameters.		

Spirax Sarco service contracts deliver regular maintenance and servicing of mechanical condensate removal pumps carried out by specialist Spirax Sarco service engineers. Service reports are designed to reflect the scope of work being carried out and are related to specific plant items. An on-site assessment of the pumping system performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:	Service Scope for Mechanical Pressure Powered Pumps	
	Minor Service	Major Service
Remove pump cover and inspect internal mechanism.		
Inspect steam inlet and exhaust valves.		
Remove and clean motive steam strainer.		
Remove and clean condensate strainer.		
Inspect motive steam trap.		
Replace worn parts and rebuild with new cover gasket.		
Test operation of motive steam trap using ultrasonic tester.		
Test operation of pump using ultra sonic tester.		

Spirax Sarco service contracts deliver regular maintenance and servicing of metering systems carried out by specialist Spirax Sarco service engineers. Service reports are designed to reflect the scope of work being carried out and are related to specific plant items. An on-site assessment of metering system performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:	Service Scope for Metering Systems
	Assess installation is correct, i.e. clear pipe lengths, separator installed, etc.
Visually inspect pipeline transducer units (lagging etc, permitting).	
Check and blow down impulse lines (where possible in accordance with Site Safety Regulations).	
Check differential pressure transmitter for zero and span – results to be recorded on calibration sheet.	
Check all analogue inputs and outputs conform to test certificates – results to be recorded on calibration sheet.	
Check simulated pressure and temperature inputs conform to test certificates.	
Record results of calibration of pressure and temperature transmitters on calibration sheet.	
Terminal connections to be checked on readout unit and ancillary electronic equipment.	
Check flow capacity is within turndown ratio of unit.	
Check calibration coefficients are as per manufacturers factory settings.	
Planned recalibration of pipeline unit (return to Spirax Sarco).	Optional

Spirax Sarco service contracts deliver regular maintenance and servicing of clean steam generators carried out by specialist Spirax Sarco service engineers. Service reports are designed to reflect the scope of work being carried out and are related to specific plant items. An on-site assessment of the generator system performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:	Service Scope for Clean Steam Generator	
	Minor Service	Major Service
Plant Steam Supply		
Clean Primary strainer and replace with new gasket.		
Clean trap set strainer and replace with new gasket.		
Full service of primary trap.		
Test trap with ultrasonic tester.		
Preheat Tank		
Visual inspection of Water inlet valve, test for correct operation.		
Service Water inlet valve, replacing seals and gaskets.		
Visual inspection of Water inlet valve, test for correct operation.		
Service Water inlet valve, replacing seals and gaskets.		
Remove and inspect level control device.		
Test all valves for correct operation.		
Boiler Shell		
Visual inspection of high limit system, pressure switch and transducer.		
Visual inspection of Water inlet valve, test for correct operation.		
Service Water inlet valve, replacing seals and gaskets.		
Visual inspection of Water inlet valve, test for correct operation.		
Service Water inlet valve, replacing seals and gaskets.		
Remove and inspect level control device.		
Test all valves for correct operation.		
Visual inspection of blow down valve, test for correct operation.		
Service blow down valve, replacing seals and gaskets.		
Ancillaries		
Service integral steam traps on plant steam.		
Service integral steam traps on clean steam.		
Test all traps using ultrasonic tester.		
Visual inspection of all joints.		
Replace tri-clamp gaskets.		
Visual inspection of water transfer pumps.		
Controls		
Inspect control panel and control system.		
Check wiring and all electrical terminals.		
Check configuration of control system.		
Functionally test all alarms.		
Check that system operates with control parameters.		