



## A professional humidification program offering first class service and maintenance

### How important is humidification to you?

Humidification systems ensure constant humidity for process applications and provide a climate controlled environment for valuable or delicate items.

Incorrect operation or complete failure of a humidifier can:

- Cause dry, thirsty air to take moisture from whatever source it can find, including fabrics, paper, leather or wood, leading to irreparable damage.
- Create 'sick building syndrome'. A major contributor towards this is the lack of proper humidification in enclosed work environments.
- Result in fluctuating humidity in process applications requiring precise climate control conditions, causing lost production and product wastage.
- Lead to a build up of water in air handling units, potentially creating suitable conditions for Legionella bacteria.

### Continuous operation - total peace of mind

Humidifiers need regular maintenance; a Spirax Sarco Humidifier Service Agreement provides:

- Optimum climate control to ensure safe storage of valuable materials, or consistent manufacturing conditions.
- Correct humidity, minimising health risks.
- A Planned Preventative Maintenance (PPM) program to help minimise costly downtime, and release maintenance staff for other duties.
- Total peace of mind that your equipment is being maintained by experienced original equipment manufacturer engineers.
- Improved maintenance budget planning and forecasting.
- Minimal spares stockholding.

### Service Agreement Summary

- Scheduled visits for routine preventative maintenance and inspection.
- Discounted daily rate for service visits.
- Prioritised booking of service engineers.
- Spares delivered to your doorstep and fitted on the day.
- Cost of all consumables\* used during each service visit.
- Optional 365 days per year 24-hour priority response.
- Technical support Monday to Friday.
- A service visit report for each scheduled visit.

\* Consumables included are detailed in the scope of work overleaf.

## Service Specification

Spirax Sarco service agreements deliver regular maintenance and servicing of humidifier equipment, carried out by specialist Spirax Sarco service engineers. An on-site assessment of humidifiers' performance is carried out with the customer, prior to commencement of scope of work, which typically includes the following:

	Scope of Work
<b>ELECTRODE TYPE &amp; HEATER TYPE SELF GENERATIVE HUMIDIFIER</b>	
Disassemble and clean cylinder and electrodes	✓
Replace electrodes if necessary (electrode type)	✓
Check and clean heater element (heater type)	✓
Check electrical circuit of individual heating elements (heater type)	✓
Replace cylinder flange seals	✓
Replace cylinder base 'O' rings*	✓
Replace adaptor 'O' rings*	✓
Examine and check hoses	✓
Replace hoses, if necessary	✓
Check pump operation	✓
Check solenoid operation	✓
Check output 0-100%	✓
Check electrical integrity	✓
Check power supply 3 phase	✓
Check control signal	✓
Check mechanical connections	✓
Check water supply is adequate	✓
Check water inlet filter, clean and replace	✓
Check drain connection is adequate	✓
Functionally test system for correct operation, including controls and safety interlocks	✓
Written service report provided per visit detailing findings, actions and recommendations/requirements	✓
<b>DIRECT STEAM INJECTION HUMIDIFIER</b>	
Visual inspection on installation	✓
Strip control valve, clean and inspect valve internals, rebuild valve with new stem seal*	✓
Check actuator zero and stroke, adjust if necessary	✓
Test operation of separator and preheat steam traps	✓
Functionally test system for correct operation	✓
Written service report provided per visit, detailing findings, actions and recommendations/requirements	✓

\* Consumables used during service visit include:

Base cylinder gasket, main cylinder gasket and steam hose adaptor (electrode/heater type).

Stem seal (direct injection type).

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