

Ansti Computerised Surface Test Facility (CSTF) Service



WHY IS SERVICING IMPORTANT?

As outlined in the Technical Manual, the CSTF pressure sensors are required to be checked for conformance to manufacturer's tolerance annually. This minimises any long-term effects of drift and enabling the readings displayed on the regulator certificates from the CSTF to be valid for the following 12 months.

WHAT DOES THE SERVICE COVER?

The CSTF service covers a detailed inspection of all mechanical and electrical parts, electrical safety check, flow performance calibration check, leak test of pipework, conformance check of pressure sensors, recalibrating the laptop to the sensors and recalibration of the High Pressure Gauge. Any parts identified to be out of calibration, worn or damaged, will be listed and any additional cost advised before continuing the service.

In order to perform the service/calibration JFD require the CSTF, laptop (with power supply) or the desktop computer, and the test orifice to be carefully packed and shipped to the Service Centre at the address shown below.

The CSTF will be cleaned and returned with the computer and surface test orifice as well as the new calibration documentation pack, when complete.



CSTF SERVICE CENTRE

JFD, Enterprise Drive, Westhill, AB32 6TQ, United Kingdom
Tel: +44 (0)1224 740145 **Fax:** +44 (0)1224 740172

SERVICE SCOPE OF WORK

ANNUAL

- Inspect all mechanical and electrical components including tightness of electrical connections.
- Assess system for water ingress/foreign bodies.
- Pressure relief valves checks if applicable.
- Calibration check of pressure sensors.
- Recalibrating laptop to the pressure sensors.
- Leak test pipework.
- Electrical safety check.
- New silicone mouthpiece adaptor.
- Inspect front fittings using go/no-go gauge.
- Calibrate the 'High Pressure Gauge'.
- Inspect mains cable and USB cable for damage/wear.

5-YEARLY

The 5-year service covers the replacement of all perishable soft seals within the unit and the replacement of the front pressure connections. This reduces the risk of any leak paths due to worn components, increases safety whilst using high pressure gas and gives continued reliability of accurate pressure readings.

- Inspect all mechanical and electrical components including tightness of electrical connections.
- Assess system for water ingress/foreign bodies.
- Pressure relief valves checks if applicable.
- Calibration check of pressure sensors.
- Recalibrating laptop to the pressure sensors.
- Leak test pipework.
- Electrical safety check.
- New silicone mouthpiece adaptor.
- Inspect front fittings using go/no-go gauge.
- Calibrate the 'High Pressure Gauge'.
- Inspect mains cable and USB cable for damage/wear.
- Strip down motor housing and replace O-Rings and diaphragm.
- New front pressure connections.

The 5-yearly service is quoted on request.

For enquiries, or to book, please email
nhcdelivery@jfdglobal.com