

# Hyperbaric Testing Services at Rotaflow

As one of the world's leading designer and manufacturer of swivel joints, Rotaflow is home to a hyperbaric testing chamber that allows us to pressure test all of our products on site.

Our swivel joints are incredibly specialised – we make joints for a huge range of industries including petrochemical, subsea oil and gas, food and drink, fire safety, marine industries and many, many others. Each industry requires swivel joints and components that are able to withstand different conditions – variations in pressure, temperature, motion and fluid types to name but a few.



 **Rotaflow**  
the swivel joint specialists  
Hyperbaric Testing Services

Part of our attention to detail and quality assurance ensures that we in-house test our swivel joints and seals, regardless of the industries they are being used in. We do this to ensure they are capable of withstanding pressures and temperatures that exceed what they would need to whilst in-situ with our clients. It's an incredibly important facet of our business.

We designed and manufactured our own hyperbaric chamber to ensure our speed of delivery to clients was improved. Previously we would send our swivel joints off to various locations around the UK and would have to wait for a testing slot to open up – this was a time frustration and prevented us from achieving an important element of our business, a fast turnaround time.

## **Building our own hyperbaric chamber gave us a number of benefits...**

- We could test our swivel joints on-site, removing delays attributed to shipping and a test slots becoming available.
- The hyperbaric testing chamber is built to our specifications, so we can test up to 6000 psi, which is equivalent to 4000m water depth.
- We can test and re-test, meaning we can test the effectiveness of solutions to problems we have identified quickly.
- It allows us to develop new products faster than others because of our ability to test on site.

## **UK Hyperbaric Testing Services**

For the first time ever, our hyperbaric chamber is available for testing services from other engineering firms.

Having suffered the frustration of delays when waiting for hyperbaric testing, we understand the benefits of being able to test quickly. By using Rotaflow for your pressure testing you'll be able to turn around jobs in significantly less time, allowing you to work on a number of projects.

Our hyperbaric testing chamber is located at our HQ in Whaley Bridge, Derbyshire. It means we're centrally located in the UK so accessible with relative ease to engineering firms all over the country. With excellent motorway links, your components can reach us quickly with domestic courier services.

If you need hyperbaric testing services in the UK, [get in touch](#) and we can arrange your pressure testing.

## **Hyperbaric Chamber Specifications**

Our hyperbaric testing chamber has the following specifications, so you'll be able to tell immediately whether or not we can test your components at our site...

**Pressure Test Range:** 6000 PSI, 400 Bar, 4000m water depth.

**Temperature Test Range:** At the moment ambient.

**Maximum Component Size:** Vertical Chamber Internal Diameter 500mm Length 1900mm, top access.

As with anything done by Rotaflow, our testing is carried out by trained professionals and test reports will be provided, proving your components are fit for use.

### **Examples of Products that we can pressure test**

This is a snapshot of the products we can test on site, so if you manufacture any of the following and would like to ensure your products are safe and fit for purpose, we can help you prove to customers your products can be trusted...

- Swivel joints
- Subsea valves and piping components
- Subsea instrumentation
- Seals
- Diving equipment
- Watches
- Subsea engineering equipment