



We have a number of test rigs capable of testing thermoplastic umbilical hoses at a range of temperatures and pressures. Our sophisticated software package allows us to run test cycle durations in accordance with ISO 13628-5 or customer specific requirements.

If a fluid touches it,  
we can test it!

## Rig Capabilities

- Bespoke rig build
- Short or long term pressure cycle testing
- Static pressure ageing
- Permeability testing
- Ambient to high temperature
- High DWP pressure test
- Continual monitoring
- Highly sophisticated software able to sample at 2,000 per second



## Typical Testing

- Qualification testing in accordance with ISO 13628-5
- Typical 40 and 70 °C programs
- Typical 5000 psi (345 bar) cycling pressure
- Test durations typically 30 to 90 days with hose removals and testing every 30 days
- Optical microscope and SEM inspection of core surface
- Mechanical testing to assess changes in the tensile properties of hose components (core, braid, sheath)
- Fluid analysis to monitor changes eg. plasticiser levels
- Service life prediction
- Burst pressure