ALTRAD SERVICES PRESSURE TEST RIG

Safe, Remote Hydrostatic Testing for Pipework Fabrication

Altrad Services required a replacement hydrostatic test rig capable of safely testing fabricated pipework spools while keeping operators separated from the test area. Flowplant engineered a bespoke pressure testing solution incorporating remote operation, integrated safety systems and data logging functionality to support safe and efficient testing procedures.



CUSTOM Engineering | **BRITISH Manufacturer** | **PROVEN Performance** | **SYSTEM Reliability**

The Challenge

- Replace ageing test equipment
- Test pipework spools up to 300 bar
- Improve operator safety
- Enable remote testing operation
- Support inspection and test reporting requirements

Flowplant's Solution

Flowplant designed a dedicated hydrostatic pressure test rig combining an air-driven high-pressure pump, remote-control operation and multiple integrated safety features. The compact system enables operators to conduct pressure testing away from the test piece while maintaining precise control and monitoring throughout the process. Optional data logging functionality was incorporated to support testing procedures, traceability and reporting requirements.

PROJECT HIGHLIGHTS

- Hydrostatic pressure testing to 300 bar
- Air-driven high-pressure piston pump
- Remote operator control station
- Emergency stop and pressure-release system
- Stainless steel wall-mounted design
- Integrated filtration and hose reel
- Data logging capability included
- Custom-built for pipework testing operations

RESULTS

- Improved operator safety
- Modern replacement for ageing equipment
- Remote-controlled testing capability
- Enhanced test data recording
- Purpose-built for pipework fabrication
- Custom-engineered solution delivered

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- **Remote Safe Operation**
- **300 Bar Test Capability**
- **Integrated Data Logging**

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