PREVENTEST
SAFETY VALVES

Safety valve testing whilst the production process continues uninterrupted. Stork makes this possible with the PreVenTest.

Your Challenge
Safety valves are in place to save lives and protect assets. Consequently when they fail it results in high costs and hazardous situations. Besides being legally obligated to inspect safety valves there is also your obligation to ensure proper functioning of your ‘last line of defense’.

Ensuring proper function of all non-mandatory maintenance valves is a costly and timely activity but critical to your installation. The disassembly of the valve and transportation to the workshop takes up lots of time not to mention the loss of production. With the Stork PreVenTest ensuring proper functioning of safety valves, without disassembly or interruption of the production process, is now possible.

Our Solution
The PreVenTest makes it possible for any type or size of safety valve to be tested whilst the production process continues uninterrupted. This so called ‘hot test’ is done whilst the valve remains pressurized and the production process continues uninterrupted. A ‘cold test’ is done with the valve in-line but without the valve being pressurized. Both the hot and cold test are done in-line minimizing or eliminating downtime.

How Does it Work
A clamp is mounted on the safety valve without dismantling the valve. The mobile test bench lifts the valve slowly until it reaches opening pressure and then quickly closing the valve again. Doing so it measures the opening pressure and movement of the valve. The collected data gives an indication of the re-seat pressure, effect of the nozzle ring and of the guide ring. All results are presented in a clear report directly after testing and stored digitally.

How We Add Value
- Stork is Lloyd’s certified for both revision and testing of safety valves in the Netherlands
- Both hot and cold testing
- No loss of productivity
- Focus maintenance budget where it is needed
- Newest soft- & hardware
- Demonstrate compliance using the online IRIS tool
- 24/7 service
Reporting
Test results are shown real-time on screen and stored digitally for later retrieval. The digitally stored test results combine test results with valve specifics so compliance can be demonstrated easily and quickly. The simple representation of test results also allows for the quick identification of possible valve related problems.

Specification:
- Atex II
- Brand and type independent
- 100-240V, 50-60Hz power connection required
- Mobile solution
- Test is executed in a safe manner

Lloyd’s certified
Stork is Lloyd’s certified for both revision and testing of safety valves in the Netherlands. Eliminating the need for a ‘notified body’ to be present during revision or testing of inspection mandatory valves whilst in-shop or in-line.

The generated report shows the valve and test specifics and the results including the observations of the specialist.