

Pressure Change Testing

Pressure change testing is conducted to determine the allowable leakage rate across the boundaries of a closed component or system at a specific pressure or vacuum. By monitoring the change in pressure over a period of time, the leakage rate can be determined, either by the loss of pressure in a pressurised system or through the increase in pressure in a system under vacuum. The change in pressure can then be compared to a maximum allowable change in either pressure per unit of time, percentage volume, or mass change per unit of time.



THE Applus+ SOLUTION

Applus+ has the technicians and equipment to perform many types of pressure change testing and leak inspection. There are notable safety concerns regarding pressure change testing. For example, over-pressurising a component can lead to equipment damage or, even worse, personnel injury. It is imperative that all equipment and pressure-monitoring instruments are calibrated and working correctly prior to testing and great care must be taken during pressurisation. Applus+ technicians are highly trained to comply with all safety requirements for pressure change testing.

Target customers

The pressure inspection and pressure change testing delivered by Applus+ can be used on a wide range of components or systems, from pressure inspections on small vessels to large piping systems.

Many components are required by code to be subjected to pressure change testing. This ensures components passed a pressure leak inspection prior to being installed into a system.

Key customer benefits

The advantage of subjecting components to pressure change testing is that you can verify the leak test of each individual component prior to installing it in the system. The services for pressure change testing at Applus+ can greatly minimise start-up delays and shutdown extensions when the location of a leak in the entire system needs to be determined.