

# Pressure Change

Pressure-change testing is conducted to determine the 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 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 the various types of pressure-change testing. There are many 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.

## Target customers

Pressure-change testing can be used on a wide range of components or systems, from small vessels to large piping systems.

Many components are required by code to be subjected to a pressure change test to ensure components are leak tight prior to being installed into a system.

## Key customer benefits



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The advantage of pressure-change testing components is that you can verify the leak tightness of each individual component prior to installing it in the system. This greatly minimises startup delays and shutdown extensions due to having to determine the location of a leak in the entire system.