

Halogen Diode

The Halogen diode detector probe test is a way to conduct a leak test by using a tracer gas and a detector probe to detect the presence of halogen. The detection of halogen across a pressure boundary would indicate the presence of a leak.



THE Applus+ SOLUTION

Applus+ has certified technicians and the equipment to conduct the various methods of halogen diode testing.

Target customers

Halogen diode detector probe testing can be used in a variety of industries. One of the more common tests is to pressurise the shell side of a heat exchanger with the tracer gas (normally halogen) and then probe the tube-sheet welds to detect the presence of halogen, which would indicate a leak.

This type of test can be conducted on new components to ensure they are leak tight before being put into service or on existing components to determine the location of a leak.

Key customer benefits

Halogen diode detector probe testing can be conducted on both new and existing components to either verify that a component is leak-free or to determine the location of a leak if one is suspected.