

## APPLICATIONS

- In-situ function testing
- In-situ pressure testing
- Bench testing and overhaul

## FEATURES

- Fully tested above normal operating parameters
- Certified verification
- Purpose built testing rigs

## BENEFITS

- Accurate test results give confidence to as-designed integrity
- Maintain safety standards and durability of the system components
- Fully traceable and auditable records

## PIPELINE AND PROCESS SERVICES | INTEGRITY MANAGEMENT

# Valve testing

Verifying isolation and safety valve operability and integrity



## Overview

Hydro or pneumatic testing of valves, either in-situ or when removed from the system for maintenance, is essential to verifying the operability and integrity of the valve materials, mechanical function and sealing capability. At any stage of a system's life cycle, a valve can become ineffective and in many cases dangerous due to over or under usage to the point where the primary function is no longer suitable under production conditions.

Routine maintenance during shutdown activities are an ideal opportunity to test valves for sealing integrity. When at this stage, the valve can be repaired prior to re-starting the plant. Testing verifies that the valve may be safely subjected to its maximum operating pressure by testing its function and sealing capabilities throughout the full mechanical cycle. Pre-determined holding periods are applied and monitored to determine the suitability for live operation.

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