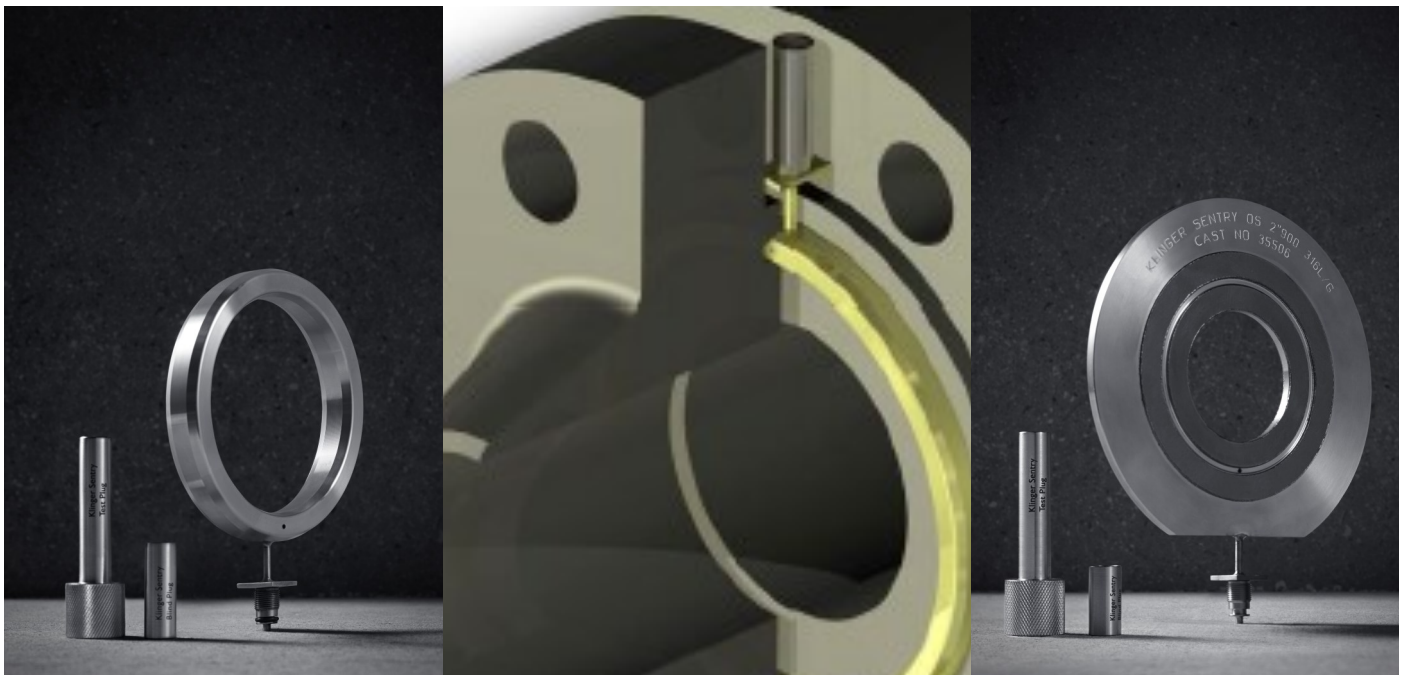


KLINGER SENTRY GASKETS

Reverse Integrity Gaskets



KLINGER SENTRY

Reverse Integrity Gaskets

Applications

- » The Sentry gasket is a gasket that can be directly tested to determine whether it has seated properly on the flange faces, without the need to introduce an internal test media into the piping system or pressure vessel.
- » It reduces or eliminates the need for pre-startup service tests using nitrogen or other testing media.
- » Some typical application areas include:
 - » Large diameter/volume piping service testing
 - » Spade or blank removal from flanged joints
 - » Mechanical equipment, e.g. PSV, removal and return
 - » Lethal, toxic or other severe service pressurized systems
 - » Subsea piping modifications and tie-ins

Dimensions

- » **Sentry RTJ** gaskets are standard ASME B16.20 gaskets, and fit ASME B16.5 and ASME B16.47 flanges with RTJ facings.
- » The **Sentry DS** is an IBC dual-seal Maxiprofile gasket designed to fit standard raised face flanges.
- » The **Sentry DS** is thicker than traditional gaskets to allow for the testing annulus in the body of the gasket, and the test tube and port.
- » Test ports are typically sized to prevent protrusion of the port beyond the outer circumferential edge of the flange.
- » Anti-rotation plates, fitted to the test port, are sized in accordance with the raised face heights specified within the flange dimensional standards.

Properties

- » A complete Sentry gasket testing system consists of:
 - » A **Sentry RTJ** or **DS** gasket
 - » A blind plug fitted to the test port
 - » A test port adapter fitting
 - » A hand operated hydraulic pump
- » The test port contains an elastomeric O-ring which is sealed by screwing on the blind plug, forming a fire-safe connection.
- » No tools are required other than a hex head key, to remove and return the blind plug.
- » An aluminum Gasket Insertion Tool (GIT) is available to facilitate easy gasket installation, particularly in subsea conditions.



Materials

- » **Sentry RTJ**: Available in all commonly used metals for RTJ gaskets.
- » **Sentry DS**: SS 316L for the Maxiprofile core, with flexible graphite as standard facing material.
- » Other core and facing materials, to suit specific application parameters, can be provided on request.
- » The hydraulic oil pump can be substituted with a nitrogen pressurizing system, where specific testing conditions dictate.

KLINGER Thermoseal

2350 Campbell Road, Sidney, Ohio 45365
Tel: +1 937 498 2222

3803 S. Sam Houston Parkway W., Houston, Texas 77053
Tel: +1 713 997 8111

info@klinger-thermoseal.com www.klinger-thermoseal.com