

FLANGE WELD TESTERS

General function and application

Flange Weld Testers are designed to pressure test various types of flange connections, including, weld neck, slip-on, Quickflange, lap joint, etc., eliminating the need for a full system test. The tools are inserted into the flange connection and fastened up. The tool is then set and the annulus between the seal and the flange is then filled/ vented with the test medium and pressurised to the flange rating.

Manufacture

The body of the tool is made from high grade carbon steel and the seal is made from special polyurethane which has a low hysteresis. All units are hydro tested prior to shipment and supplied with full operating instructions and pre delivery inspection report.



Utilisation and operation

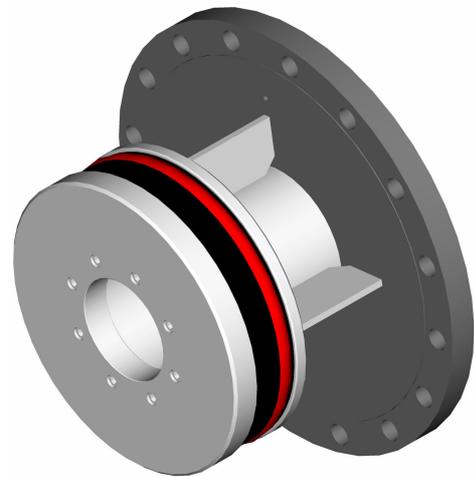
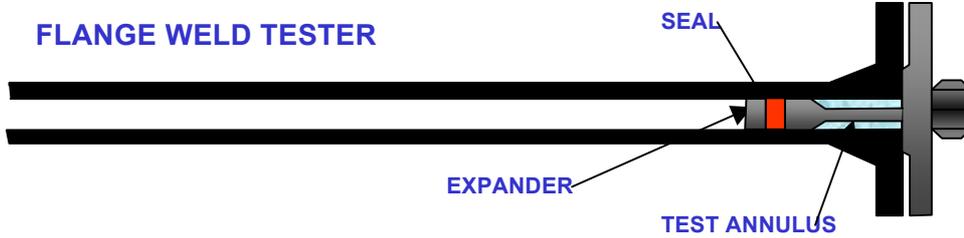
When the tool is set the seal is expanded radially against the pipe bore mechanically (up to 4") or hydraulically (6" and above) to seal off the area to be tested. The annulus created is then filled and vented with the test medium and pressurised upto the required test pressure which can be up to ANSI 1500 depending on flange rating. The tools can be set in both horizontal and vertical piping or inclined if required. Testing is achieved in a fraction of the time (and cost) of a full system test, whilst also reducing the provision and disposal costs associated with large volumes of test medium. Most tools can easily be installed and operated by one man.

FLANGE WELD TESTER

CONVENTIONAL METHOD



FLANGE WELD TESTER



Shortened Flange Tester

Sizes, pressure ratings and configurations

The tools are available for rental, both short term and long term from ½" thru to 36" up to ANSI 1500. Special tools can be shortened or lengthened to suit your specific requirements.