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INTERNAL WELD TESTERS

General function and application

RROS's Internal Weld Testers are designed to pressure test weld neck flanges, flange joints and plain pipe butt welds eliminating the need for a full system test. The tools are inserted into the line and positioned with the seals either side of the test area. The tool is then set and the annulus between the seals is then filled/ vented with the test medium and pressurised.

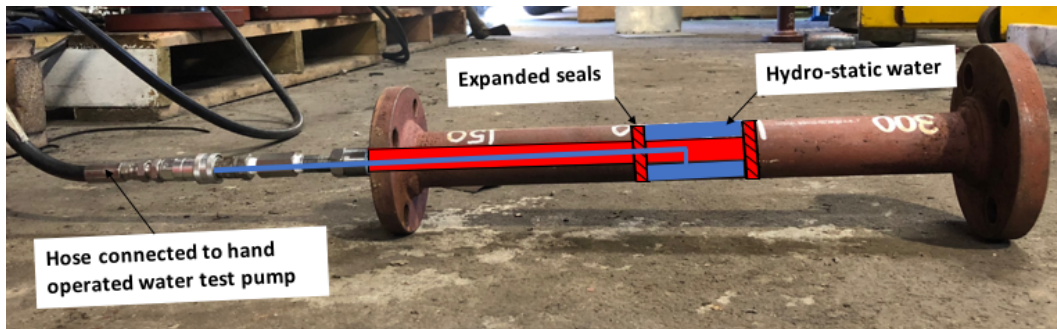
Manufacture

- Body of tool made from high grade carbon steel
- Seal made from special polyurethane, which has low hysteresis
- All units are fully tested before dispatch
- All units shipped with full operating instructions
- All units shipped with pre mob test certificate



Utilisation and operation

- Tester placed into pipe with the vent port at the top (to allow air to be released from annulus).
- The seals are then actuated by a hydraulic hand pump.
- The annulus created is filled with the test medium and the air bled out through the vent port.
- The annulus is pressurised up to the test pressure, (can be up to ANSI 1500, 384 bar).
- The tool can be set both vertically and horizontally.
- Most tools can be installed and operated by a single technician.



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.

Sizes, pressure ratings and configurations

The tools are available for rental, both short term and long term from 1" thru to 24" up to ANSI 1500 (384 Bar). For sizes and pressures above 24" and ANSI 1500 (384 Bar) please contact us to discuss.

Special tools can be shortened or lengthened to suit your specific requirements.

Dimension Table for Internal Weld Testers up to ANSI 1500 (384 Bar)

Size	Distance between seals (mm)	Overall Length (mm)	Tool Clearance (mm)
1"	80	100	3
1.5"	80	100	3
2"	108	253	3
3"	110	304	4
4"	100	318	5
6"	176	261	6
8"	215	315	6
10"	250	394	8
12"	300	460	10
14"	300	490	12
16"	320	578	12

**Please note all dimensions are "reference only" and for standard testers.
Larger and custom testers can be designed to suit your specific requirements.
Testers Up to ANSI 2500 (693 Bar) can also be manufactured as required.**