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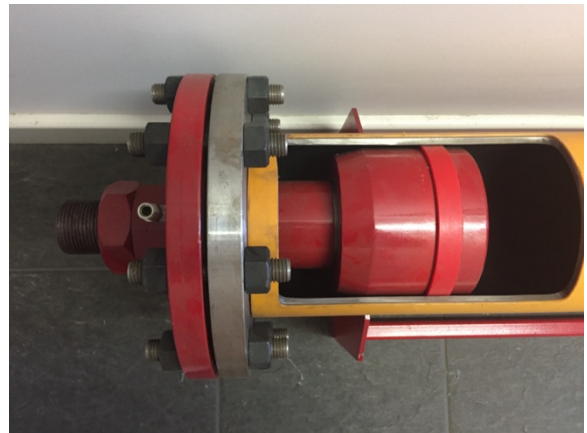
FLANGE WELD TESTERS

General function and application

RROS's Flange Weld Testers are designed to pressure test various types of flange weld connections, including, weld neck, slip-on, 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

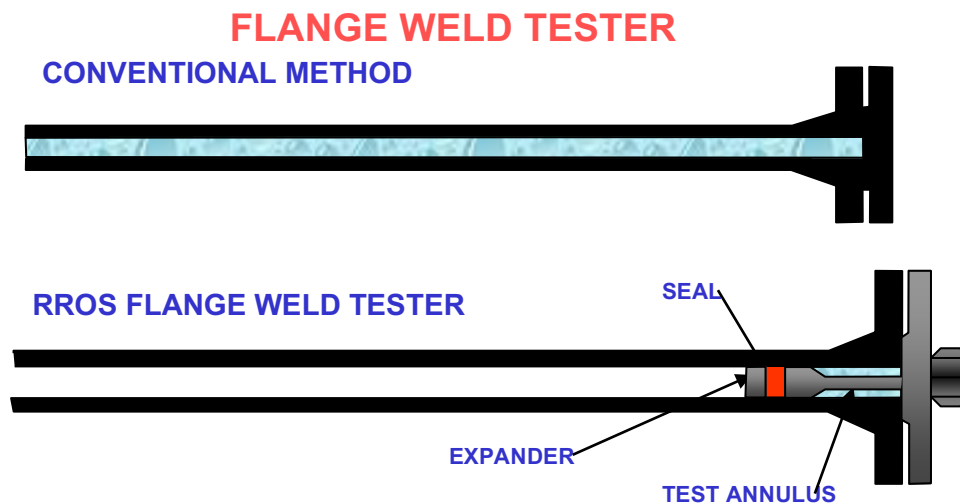
- Body of tool made from high grade carbon steel
- Seal made from special polyurethane, which has low hysteresis
- All units are fully tested and certified before dispatch
- All units shipped with full operating instructions
- All units shipped with pressure test certificate



Utilisation and operation

- Tester placed into pipe with the vent port at the top (to allow air to be released from annulus).
- Flange bolts done up finger tight to align tool.
- The seal is then actuated, mechanically (up to 4") or hydraulically (6" and above).
- 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 ½" thru to 24" up to ANSI 1500. For sizes and pressures above 24" and ANSI 900 please contact us to discuss.

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

Dimension Table for standard Flange Weld Testers up to ANSI 900

Size	Flange face to seal (mm)	Flange Face to End of Hub Length (mm)	Schedules Available	Tool Clearance (mm)
0.5"	59	84	5S, 10S, S/40, XS/80, 160, XXS	3
0.75"	59	84	5S, 10S, S/40, XS/80, 160, XXS	3
1"	80	110	5S, 10S, S/40, XS/80, 160, XXS	3
1.5"	80	112	5S, 10S, S/40, XS/80, 160, XXS	3
2"	135	165	5S, 10S, S/40, XS/80, 160, XXS	3
3"	160	199	5S, 10S, S/40, XS/80, 160, XXS	4
4"	156	195	5S, 10S, S/40, XS/80, 120, 160, XXS	5
6"	184	230	5S, 10S, S/40, XS/80, 120, 160, XXS	6
8"	215	260	5S, 10S, 20, 30, S/40, 60, XS/80, 100, 120, 140, 160, XXS	6
10"	234	300	5S, 10S, 20, 30, S/40, 60/XS, 80, 100, 120, 140, 160, XXS	8
12"	263	345	5S, 10S, 20, 30, S, 40, 60, XS, 80, 100, 120, 140, 160, XXS	10
14"	268	360	5S, 10S, 20, 30/S, 40, 60, XS, 80, 100, 120, 140, 160	12
16"	270	365	5S, 10S, 20, 30/S, 40, 60, XS, 80, 100, 120, 140, 160	12

Additional sizes are available ex-Perth, or can be fabricated locally to suit your project specifications – please call to discuss your requirements 08 9418 2544

Flange Pressure Ratings

Flange Class (ANSI)	Operating Pressure (bar)	Maximum Test Pressure (bar)
150	19	31
300	51	77
600	102	153
900	151	231
1500	255	384
2500	431	693