

Pressure vessel acc EN681-1 Appendix B



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This compact Pressure vessel has been specially developed for reliable and effective testing of elastomer seals & O-rings used for pipe connections in water and sewage pipes. A set of O-rings (a minimum of 3) are placed in a compression jig. The O-rings are preloaded at 25%.

The compression jig is placed in the Pressure Vessel and filled with demineralised water. Subsequently, the complete pressure vessel is placed in an oven and kept at a temperature of 110 °C for 70 days.

After the test time has elapsed the compression jig is removed from the Pressure Vessel and the preload is released from the O-rings. After 30 minutes of acclimatization the plastic deformation is measured.

Specifications:

Material Pressure Vessel	: AISI 304 / 1.4301
Pressure	: Pre-adjusted at 4 Bar
	: Max. 12 Bar
Max temperature	: 160 °C

