

Gas Cylinder Test Station Scheme Equipment List

The equipment listed below is the minimum required for each category of gas cylinder test station.

1.	Portable (Suitcase) Test Station – (New cylinders/auto vessels only)
	<p>External inspection equipment</p> <ul style="list-style-type: none"> • Straight edge • Profile gauge (eg. Needle type/templates/flexi-curves etc) • Outside callipers • Test station stamp (design to be supplied by SAI Global) • Number stamps
2.	All Other Test Stations
	<ul style="list-style-type: none"> • Straight edge • Profile gauge (eg. Needle type/templates/flexi-curves etc) • Outside callipers • Test station stamp (design to be supplied by SAI Global) • Number and letter stamps • Internal inspection light <ul style="list-style-type: none"> ○ Cylinders that have contained a non-flammable gas a fibre optic illuminator or a light source of extra low voltage is required ○ Cylinders that have contained a flammable gas or oxidizing gas a fibre optic illuminator or a light source that is intrinsically safe or explosion proof is required • Suitable mirror for internal inspection (x2 magnification required for seamless cylinders) • Cylinder clamps suitable for the range of cylinders to be tested (clamps for welded cylinders to be padded to protect the cylinder weld joint) • A means of checking for an obstructed valve (refer to AS 2337.1 clause 5.3) • Hacksaw or hand drill • Depth gauge • Valve removing spanners • Thread taps for cleaning commonly encountered thread sizes • Thread gauges (optional). Refer to AS 2337.1 clause 3.3.2 (f) • Cleaning equipment (eg. Wire brushes, scrapers etc)
3.	Additional Equipment For Test Stations Testing Seamless Cylinders
	<ul style="list-style-type: none"> • Equipment as listed in item 2 above. • Hydrostatic pressure testing unit complying with AS 2337.1 section 7
4.	Additional Equipment For Test Stations Testing Automotive LPG Fuel Vessels
	<ul style="list-style-type: none"> • Equipment as listed in item 2 above. • Leakage test equipment as specified in AS 2337.2 clause 8.3