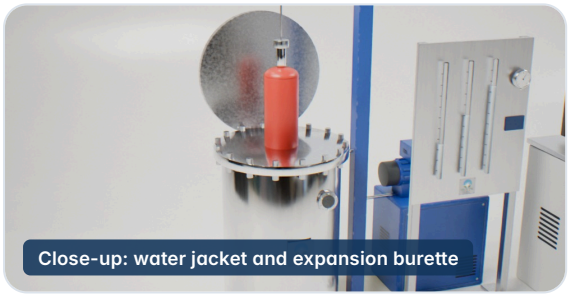
PRODUCT DATASHEET

Cylinder Requalification Test Station

Water-jacket retest, inspection and drying for gas cylinders

Product page





Close-up: water jacket and expansion burette

OVERVIEW

The Tech Inc. Cylinder Requalification Test Station requalifies gas cylinders at their periodic inspection date. The cylinder is filled with water, lowered into the water jacket and pressurised to its test pressure; the station measures total and permanent volumetric expansion and decides pass or fail.

TYPICAL DESIGN DATA

Test pressure	To about 450 bar
Cylinders	Steel, aluminium and composite, up to about 80 L
Expansion measurement	Burette or weighing, with resolution to suit the cylinder size
Codes and standards	Test methods set up to ISO 18119, ISO 11623 and CGA C-1, or the method the station is approved for
Test methods	Set up to ISO 18119, ISO 11623 and CGA C-1 as the station requires
Records	Cylinder history, test results, certificates and labels
Safety	Interlocked jacket lid and pressure relief

MODELS AND CAPACITIES

- **TI-CRQ-15** – cylinders up to about 15 L, test to about 450 bar
- **TI-CRQ-80** – cylinders up to about 80 L, test to about 450 bar
- **TI-CRQ-50** – cylinders up to about 50 L, test to about 450 bar
- **TI-CRQ-L** – complete retest line, sized to the station

Indicative cylinder sizes and test pressures.

ORDERING CODE

Example **TI-CRQ-50-W-L**: **50** largest cylinder, L; **W** method: W water jacket, D direct expansion, P proof only; **L** scope: L complete line, S test station only.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** internal inspection lamp; cylinder drying station; valve removal and torque machine; second jacket for large cylinders; barcode or RFID cylinder tracking.

KEY ADVANTAGES

- **Accurate** – volumetric expansion measured to the method
- **Safe** – test inside a closed jacket
- **Recorded** – certificate and label for every cylinder
- **Complete** – test, inspection and drying in one line

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Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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