PRODUCT DATASHEET

Sour-Service Corrosion Test Kit (HIC, SSC, Rotating Cage)

HIC and SSC test cells, H_2S autoclaves and rotating-cage corrosion rigs

Product page





Close-up: rotating-cage autoclave and HIC vessels

OVERVIEW

The Tech Inc. Sour-Service Corrosion Test Kit (HIC, SSC, Rotating Cage) equips a laboratory to qualify steels and alloys for sour service.

TYPICAL DESIGN DATA

Methods	NACE TM0284 (HIC), NACE TM0177 methods A to D (SSC), ASTM G184 rotating cage, ASTM G185 rotating cylinder
Gas	H_2S, CO_2 and nitrogen mixtures
Autoclave	To about 200 bar and 200 °C, Alloy C-276
Codes and standards	Equipment to NACE TM0284, NACE TM0177, ASTM G184 and ASTM G185; autoclave to ASME VIII
Vessels	Glass or PTFE-lined for ambient-pressure tests
Safety	H_2S detection, scrubber, extraction and interlocks
Data	Temperature, pressure and rotation logged

MODELS AND CAPACITIES

- **TI-SCT-HIC** – HIC test vessels, about 6 to 12 coupon sets
- **TI-SCT-RC** – H2S/CO2 autoclave with rotating cage
- **TI-SCT-SSC** – SSC proof rings or fixtures, about 6 to 12 stations
- **TI-SCT-LAB** – complete sour-testing laboratory

Indicative kit contents.

ORDERING CODE

Example **TI-SCT-LAB-12-RC**: **LAB** kit: HIC, SSC, RC or LAB; **12** number of specimen stations; **RC** autoclave option: RC rotating cage, RE rotating cylinder, N none.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: rotating-cylinder electrode with potentiostat connection; extra specimen stations; fume cupboard with extraction.

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**
Offices: Chennai · Toronto · Tallinn · Al Khobar
mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

How to cite: Sour-Service Corrosion Test Kit (HIC, SSC, Rotating Cage) (model TI-SCT). Tech Inc., Vaughan, Ontario, Canada. www.techincresearch.com/product-page/sour-service-corrosion-test-kit

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.