

PARR High Pressure, High Temperature Rotating Cylinder Electrode (RCE)

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Parr's new High Pressure, High Temperature Rotating Cylinder Electrode (HPHT RCE) System was designed to perform corrosion studies as described in ASTM G185 at elevated pressure and temperature.

Based on a popular 1 liter PARR stirred reactor, Parr's HPHT RCE system includes a rotating cylinder electrode, along with static high pressure reference and counter electrodes. The base system, with all wetted components constructed of Alloy C276, is rated for use up to 200 bar (2900 psi) at 200 °C, with rotational speeds up to 2000 rpm. This fully integrated system includes the RCE vessel assembly with probes and stand, 4848 Temperature/Motor Controller, Gamry Interface 1010B Potentiostat, and control & logging software. Parr's system allows performance of linear polarization resistance (LPR) and electrochemical impedance spectroscopy (EIS) studies at multiple rotational speeds, all with the touch of a button.