

1L Rotating Cylinder Electrode Cell

The **1L RCE Cell** is designed for rotating cylinder studies. The cell includes the following features.

- Central bearing assembly for allowing use of blanketing gases
- Jacketed glass cell for temperature control
- PEEK lid with six threaded holes for various adapters, counter electrodes, gas bubblers, thermometer, etc.
- Stoppers (PEEK), 24/40 and 24/25 joint adapters (PEEK), SJ28 joint adapter (PEEK)

Vertical adjustment combines with the ball joint to make sure your Reference Electrode Bridge Tube is placed close to the surface of your rotating cylinder. The Bubbler has one position for deaeration and another for blanketing.

The cell kit also includes one 30 cm (12 in.) graphite rod counter. Common electrochemical setups will leave 2-3 ports available to allow other experimental needs (condenser, stirring, in-situ imaging, solution adjustments, etc.).

The cell top and cell bottom are firmly secured by a clamp. The standard cylinder electrode is 12.7 mm in diameter with 3.03 cm² exposed area. Standard materials such as 1018CS, 430SS, and 316SS are available. Users can also machine their own samples if they wish.

*Specifications subject to change

