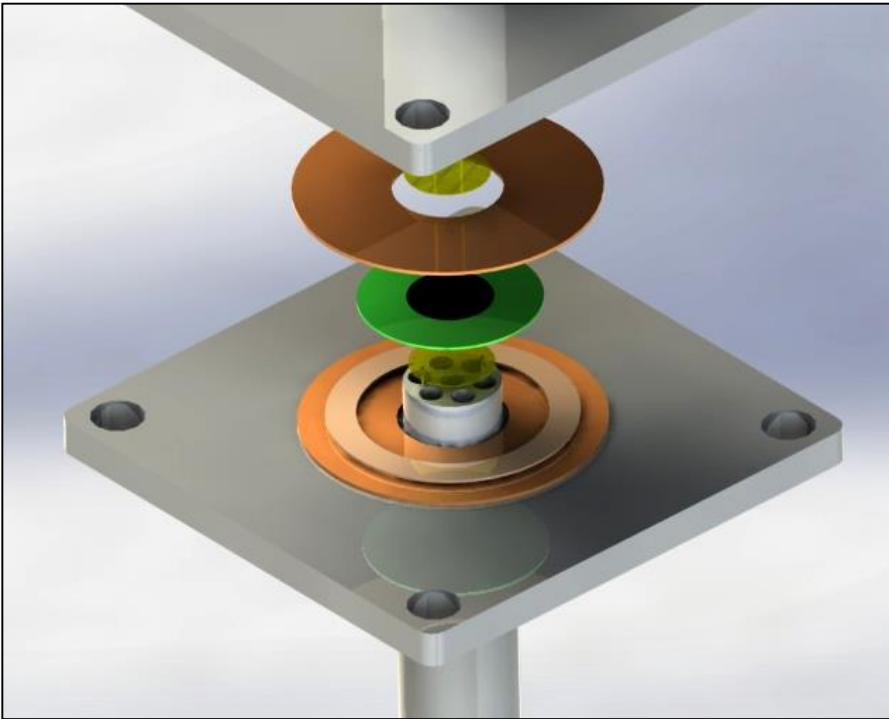


# Tubular ceramic kit

*for the Open Flanges setup*



**Alumina tubes** are used for inlet and outlet of gases on both sides to avoid any contamination (Cr, Ni, etc.) or chemical reaction

**Choice of current collector** material for air and fuel (Au, Ni, Cu, etc.)

**Easy sealing** with soft deformable mica. Double or triple ring is used to ensure the tightness around the cell. Other sealing can be used (glass, gold, etc.)

**Steam injection** on both electrodes for electrolysis, liquid injection, CH<sub>4</sub> steam reforming with temperature control

**Gas recovery and temperature reading** on both sides of the cell

**Cells dimensions** from 25 to 50 mm diameter, fixed electrode diameter of 14 mm

**Independant pressure setting** on sealing and electrodes. Up to 80 kg can be applied on the cell edges allowing the soft mica to seal the cell (blue arrows), whereas the alumina tubes only apply 100 to 600 g on the electrodes for proper current collection and potential sensing (pink arrows)

