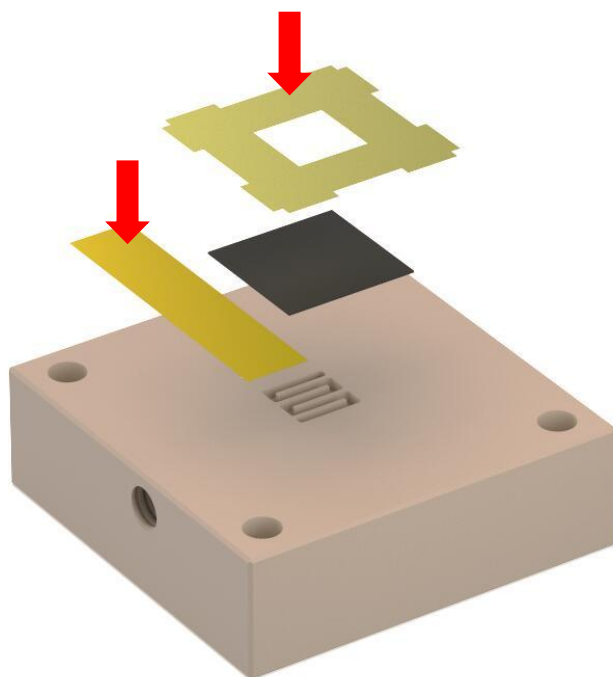


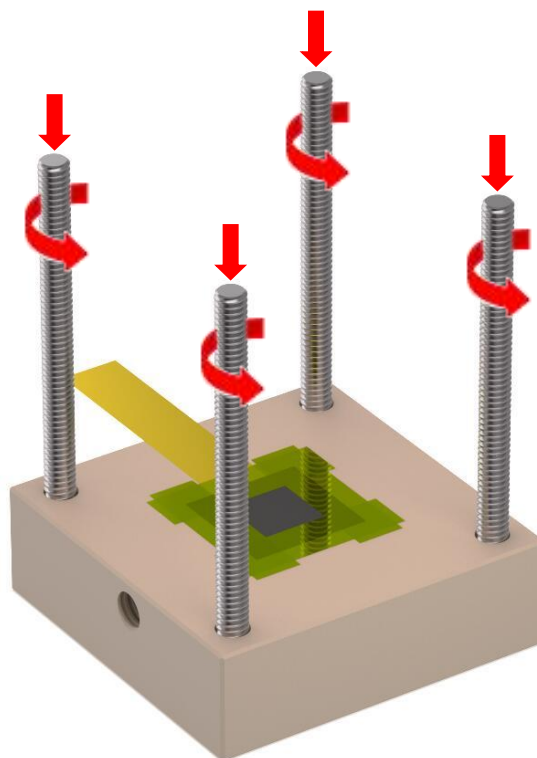
## Dek Research Instrumentation



**1.1** Attach the conductive copper foil above the flow channel (ensure that the GDE can contact the copper foil for conductivity).

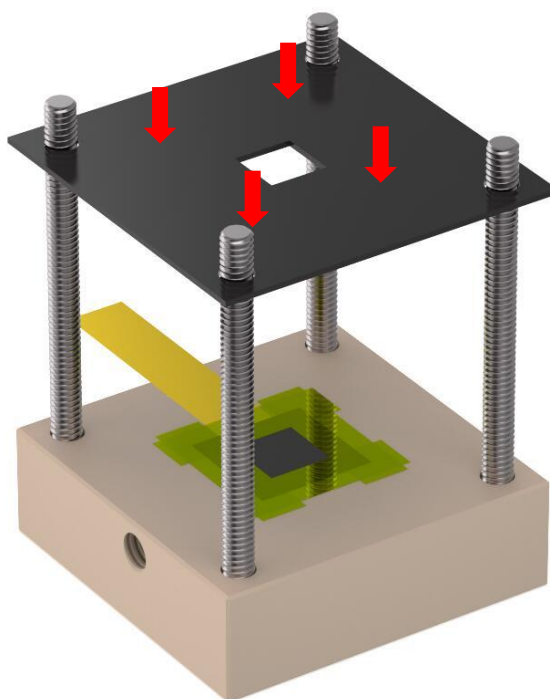
**1.2** The GDE must be greater than the flow channel area, for example: if the flow channel is 1\*1cm, the GDE can be trimmed to 1.5\*1.5cm.

**1.3** Use polyimide film tape to securely attach the GDE to the flow channel.

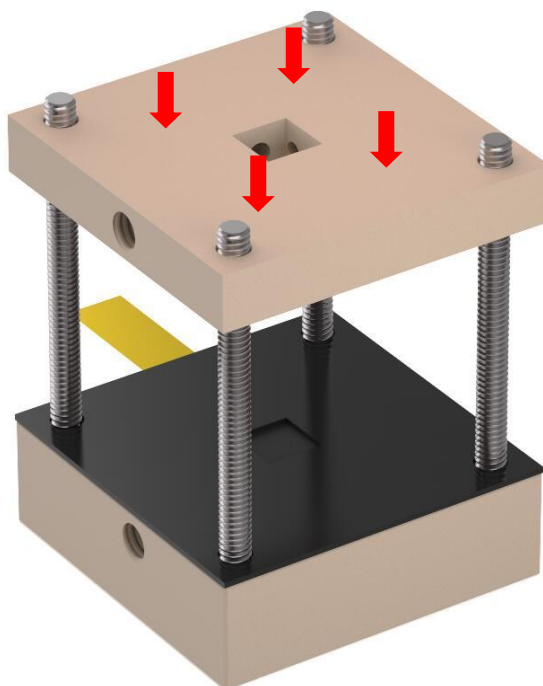


**2** Install 4 positioning rods.

## Dek Research Instrumentation

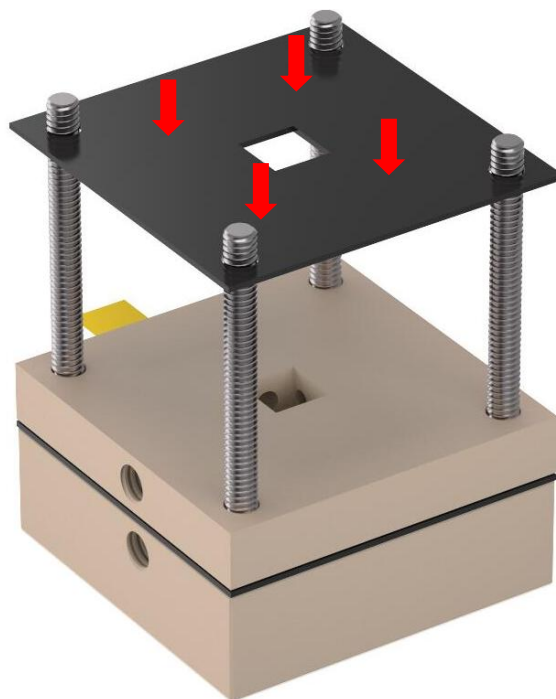


**3** Place the sealing gasket.

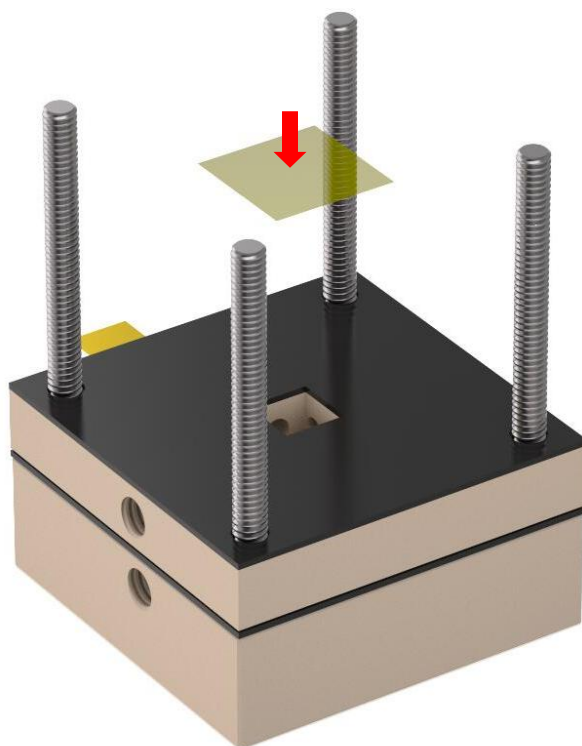


**4** Place the cathode electrolyte chamber.

## Dek Research Instrumentation

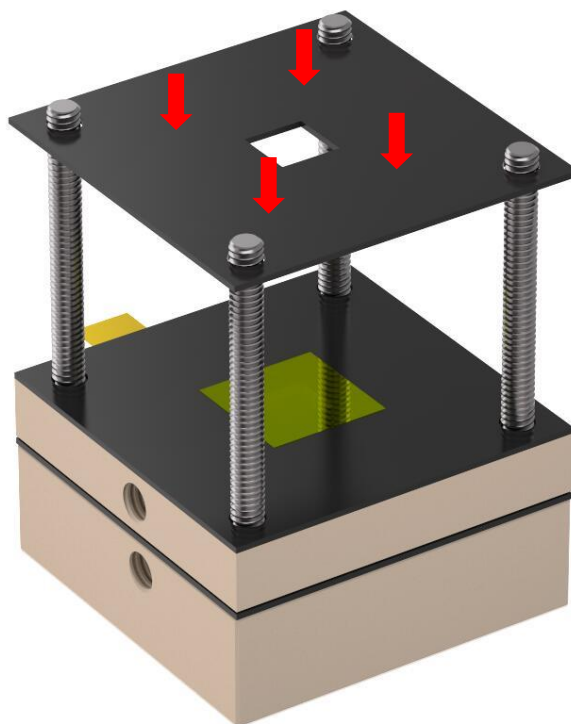


**5** Place the sealing gasket.

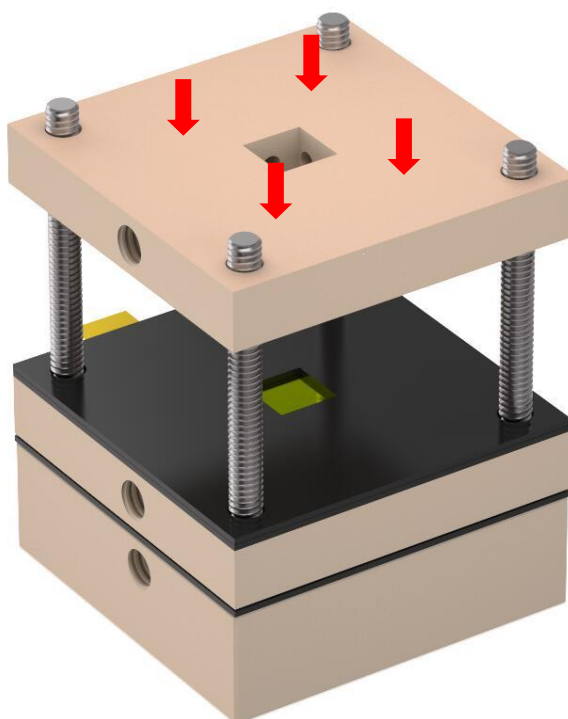


**6** Place the ion exchange membrane (Note: The ion exchange membrane must be larger than the area of the intermediate cathode electrolyte chamber).

## Dek Research Instrumentation

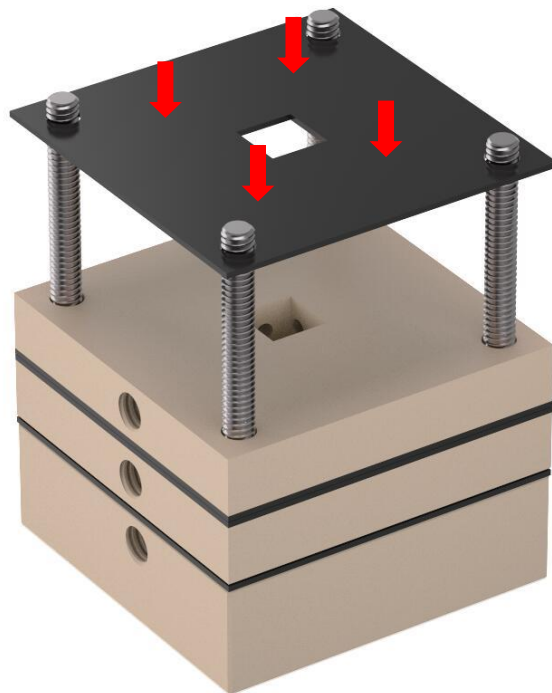


7 Place the sealing gasket.

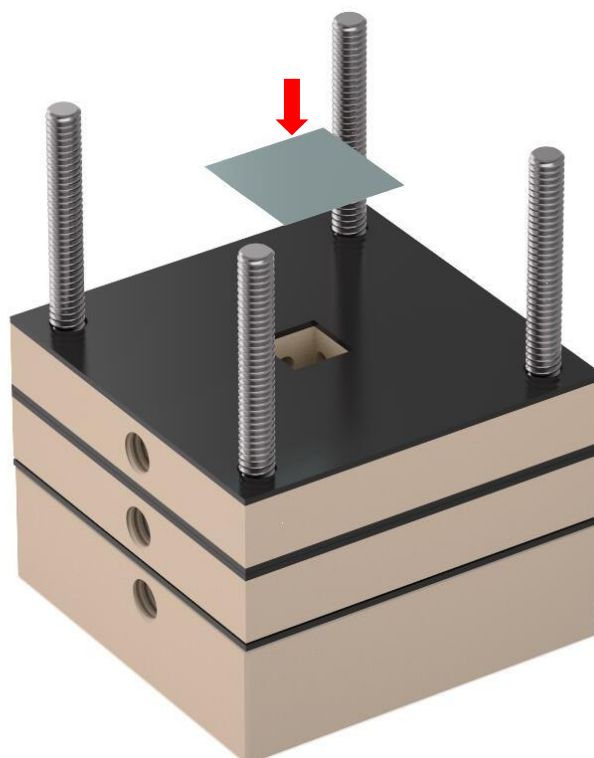


8 Place the anode electrolyte chamber.

## Dek Research Instrumentation

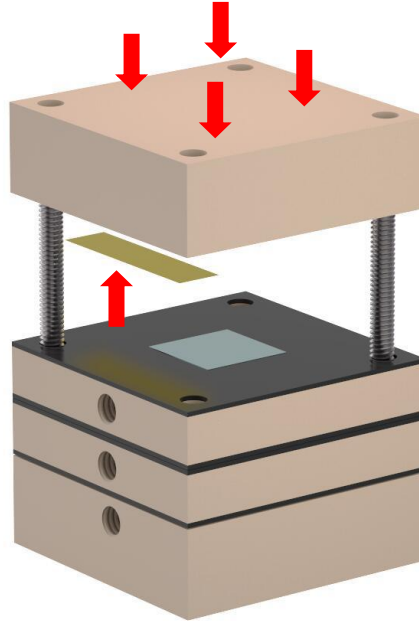


**9** Place the sealing gasket.

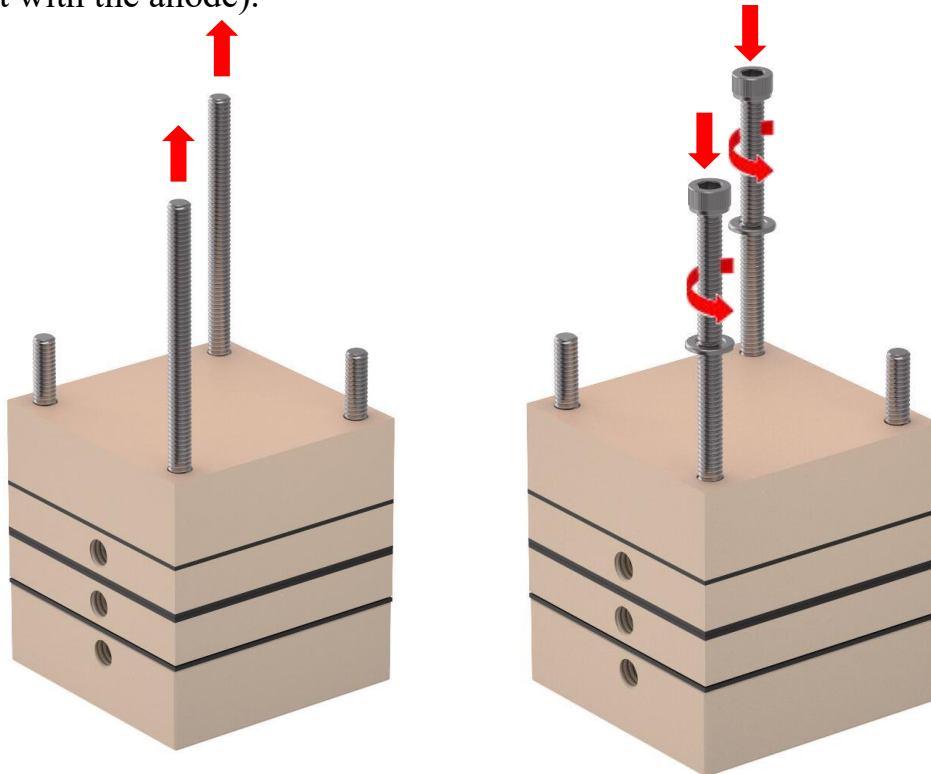


**10** Place the anode (platinum sheet, foam nickel, etc.)

## Dek Research Instrumentation



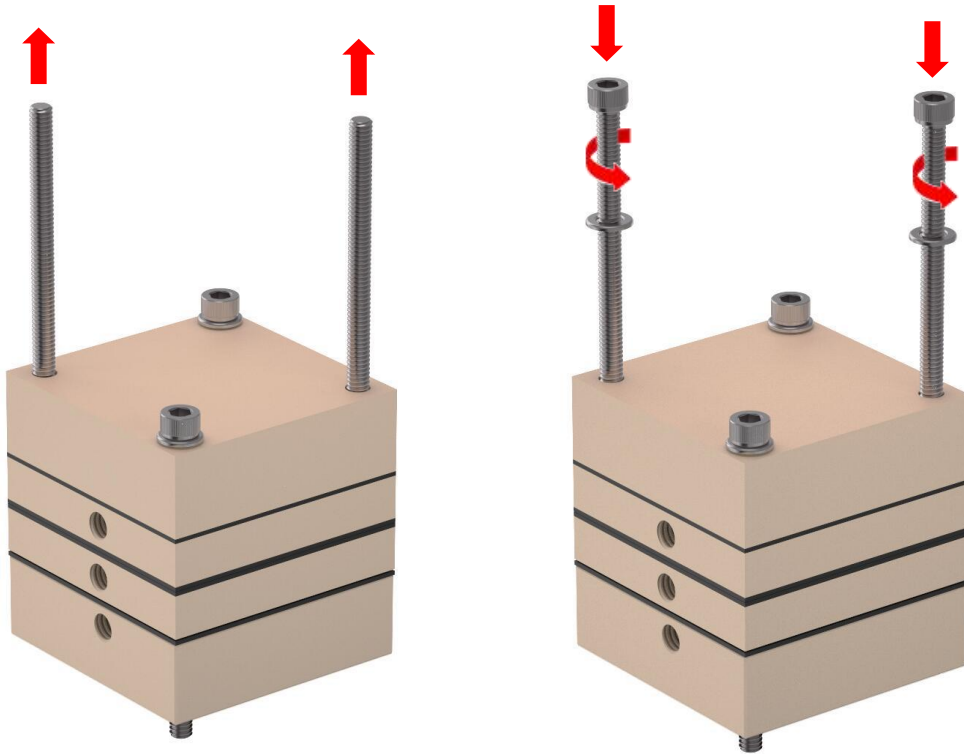
**11** Attach the conductive copper foil to the end plate chamber, and then place the end plate chamber (ensuring the conductive copper foil is in contact with the anode).



**12.1** Remove the two positioning rods at the diagonal positions.

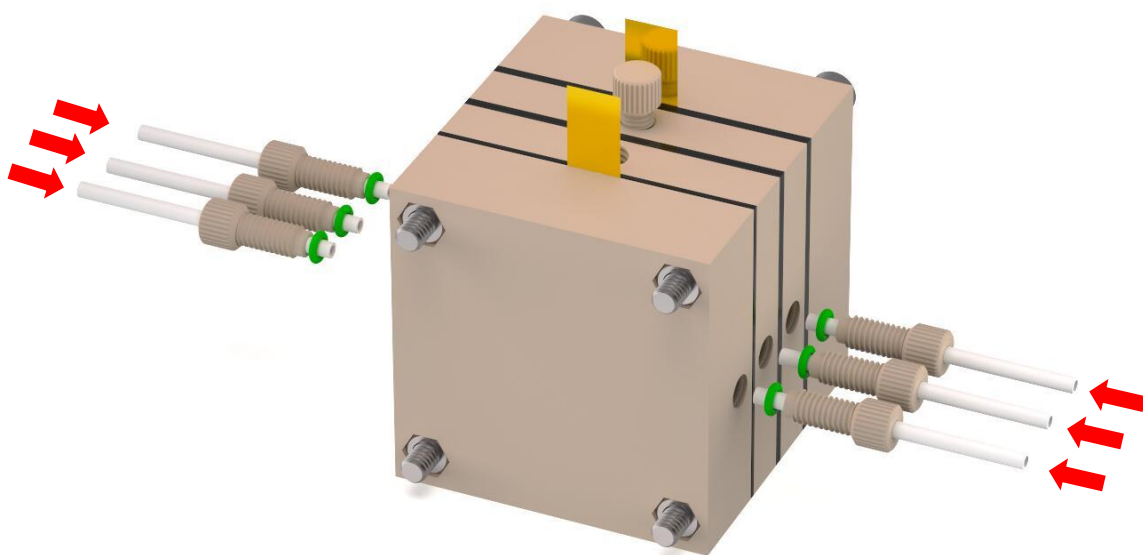
**12.2** Place the metal spacers diagonally and tighten the fixing rods.

## Dek Research Instrumentation



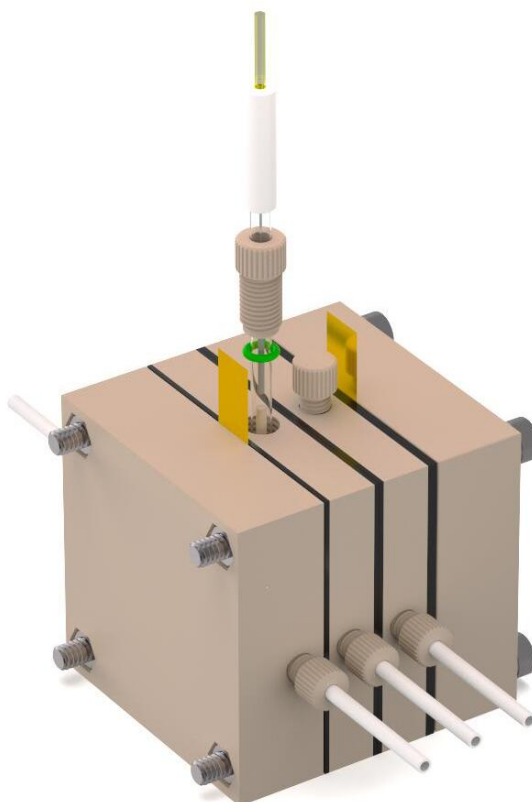
**13.1** Remove the remaining 2 positioning rods.

**13.2** Place the metal spacers diagonally and tighten the fixing rods. Install the fluoropolymer pipe.

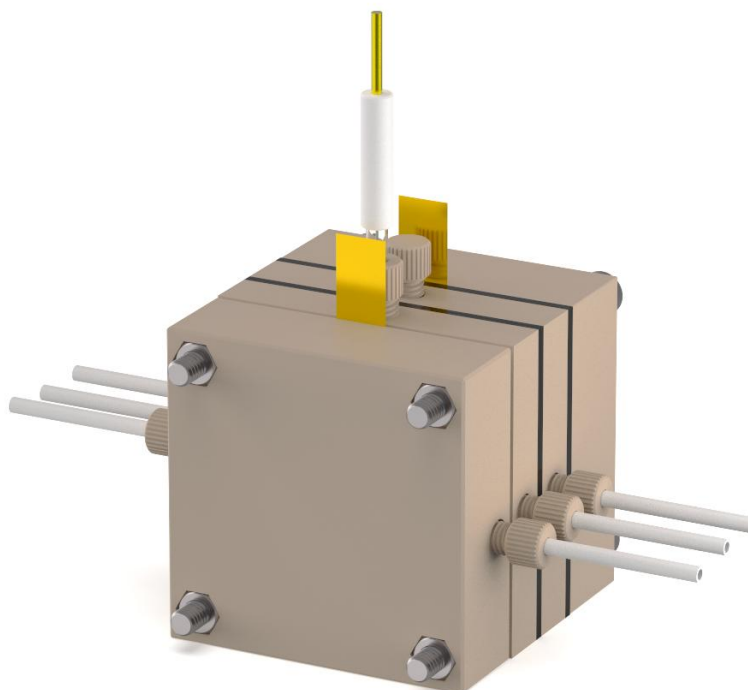


**14** Install the PTFE tube.

## Dek Research Instrumentation



**15** Install the reference electrode.



**16** Assembled.