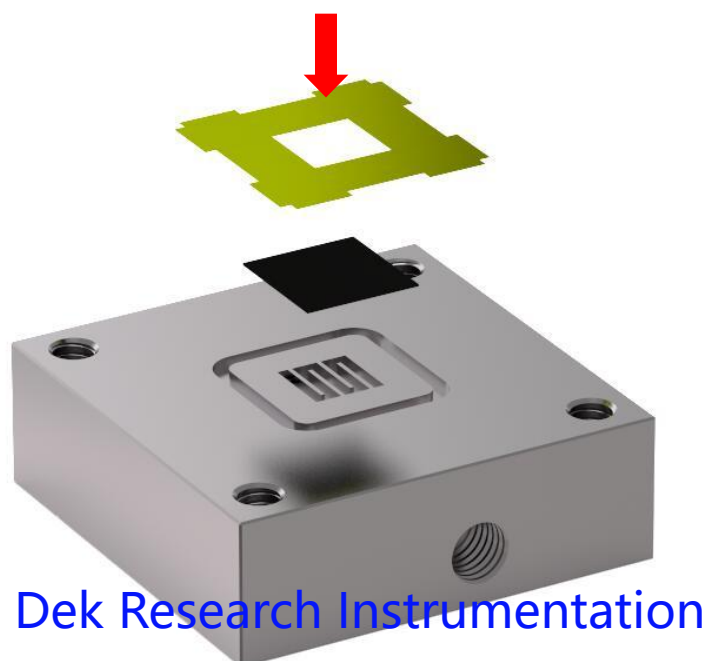
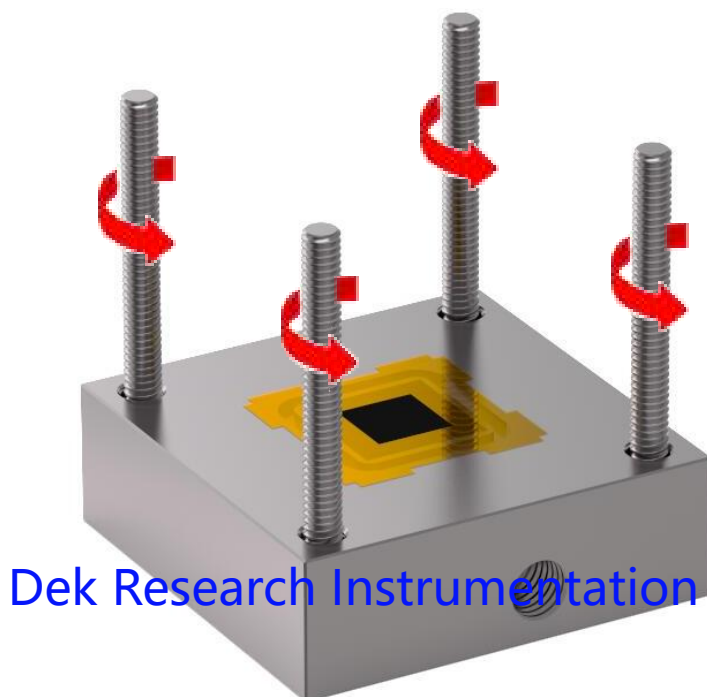


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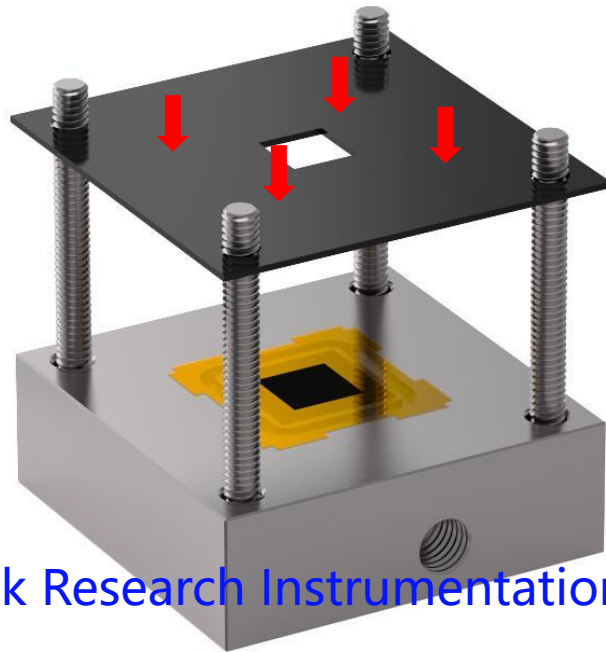
1.1 The GDE must be greater than the flow channel area, for example: if the flow channel is 1*1cm, the GDE can be trimmed to 1.5*1.5cm.

1.2 Use polyimide film tape to securely attach the GDE to the flow channel(Gasket 1# does not need to be placed).



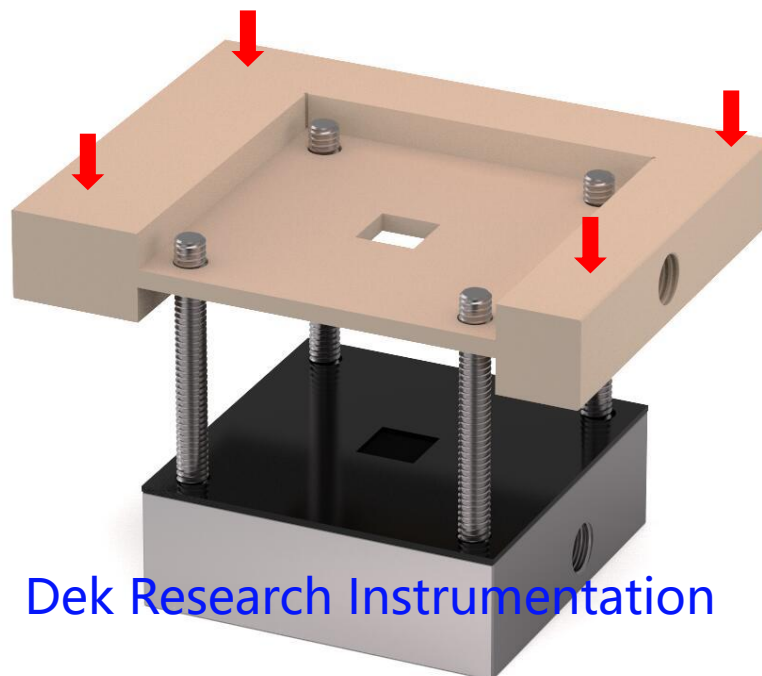
2 Install 4 positioning rods.

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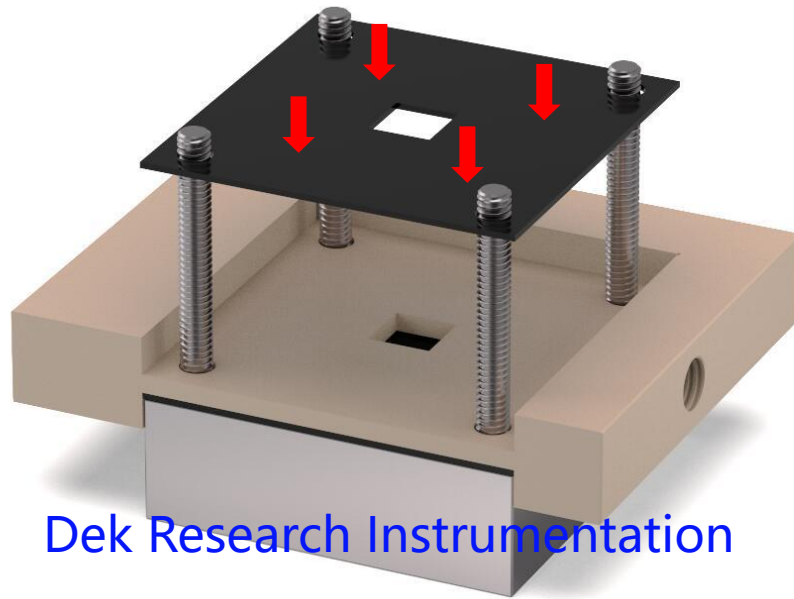
3 Place the sealing gasket 2#.



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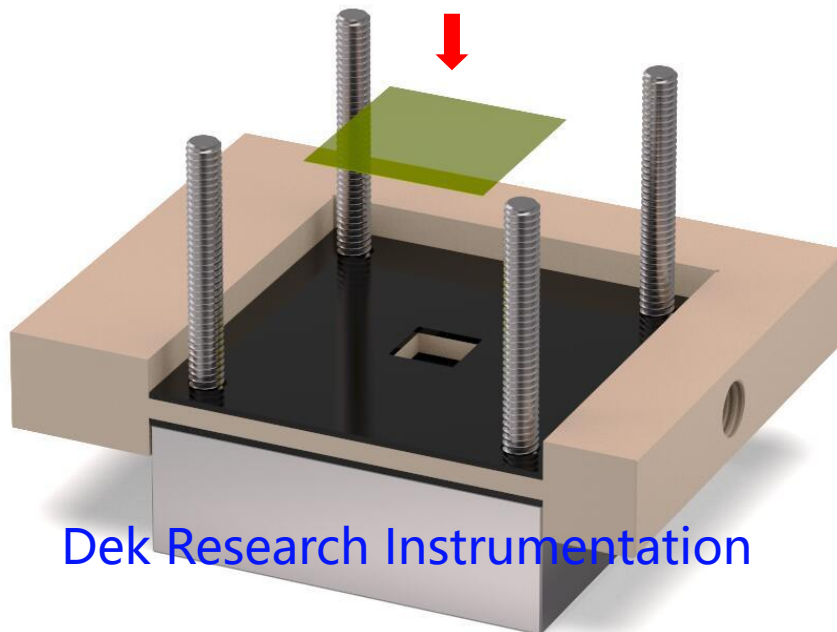
4 Place the cathode electrolyte chamber.

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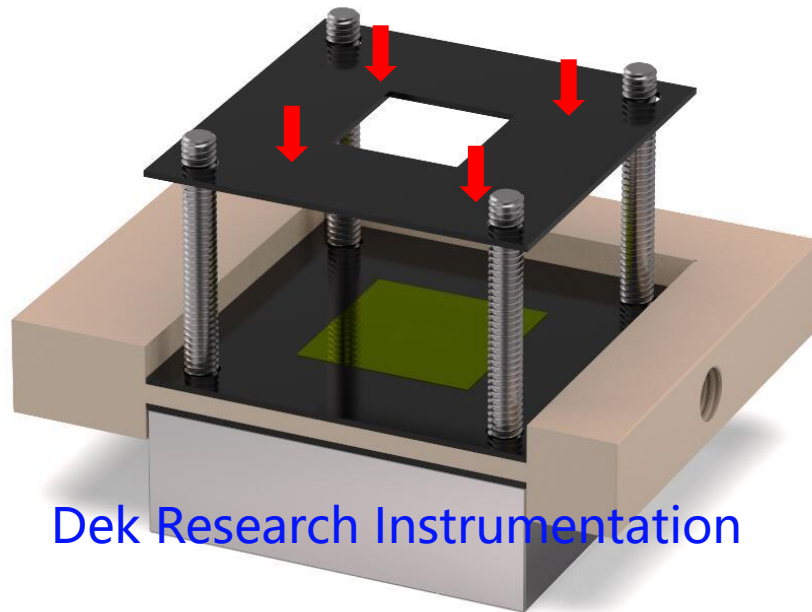
5 Place the sealing gasket 3#.



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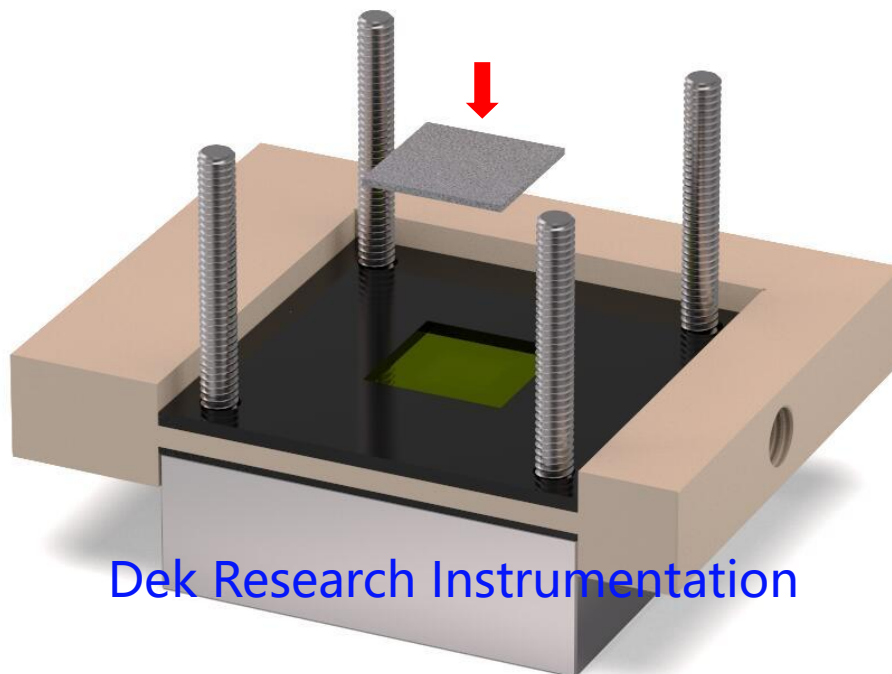
6 Place the ion exchange membrane (Note: The ion exchange membrane must be larger than the area of the intermediate cathode electrolyte chamber and anode).

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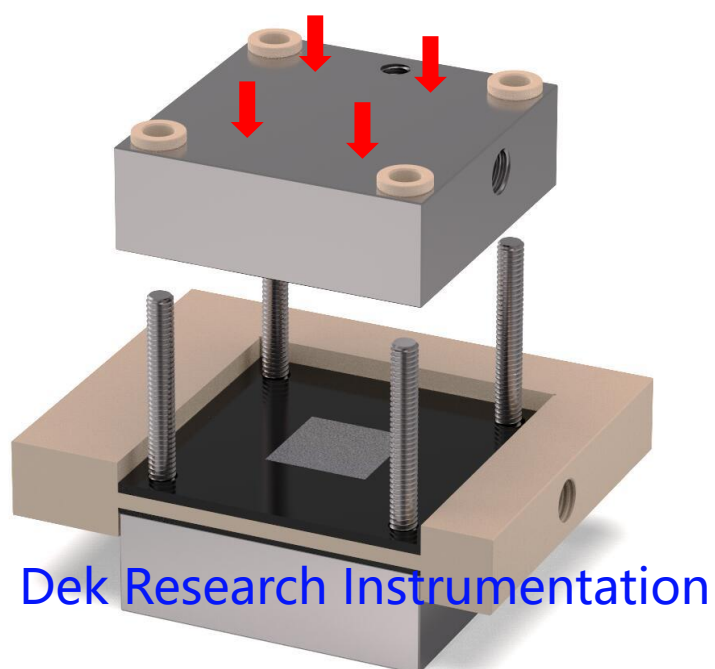
7 Place the sealing gasket 4#.



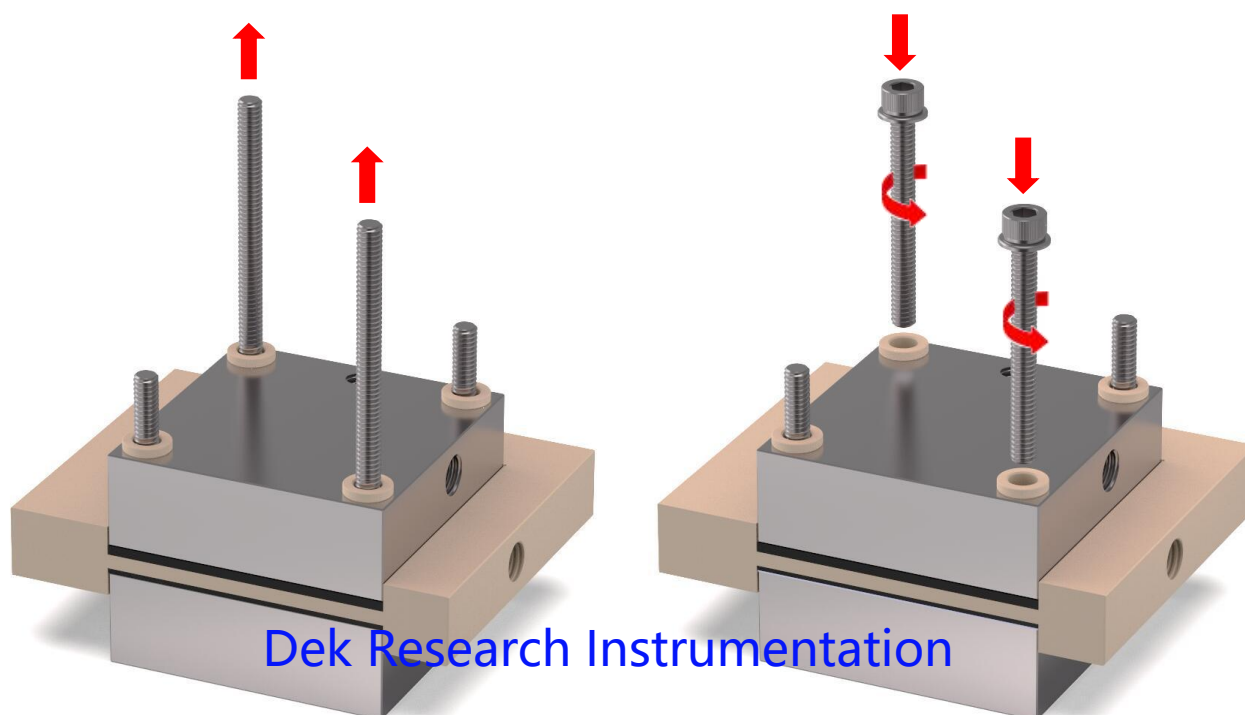
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8 Place the anode (platinum mesh, foam nickel, etc.)

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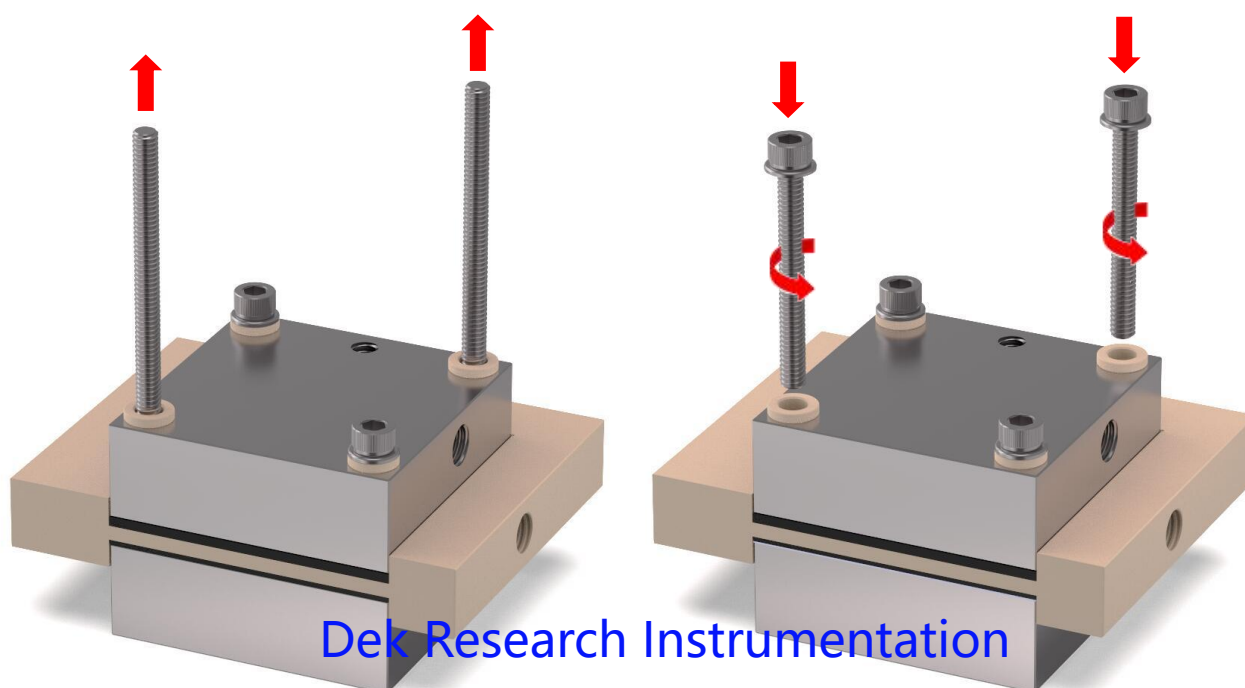
9 Place the anode electrolyte chamber.



10.1 Remove the two positioning rods at the diagonal positions.

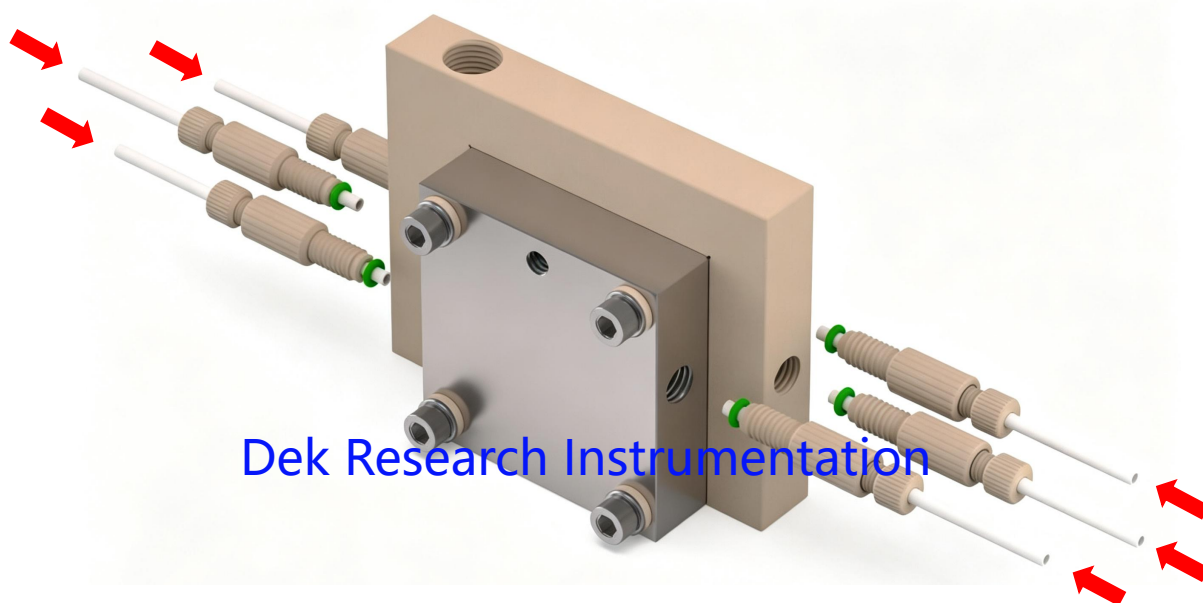
10.2 Place the metal spacers diagonally and tighten the fixing rods.

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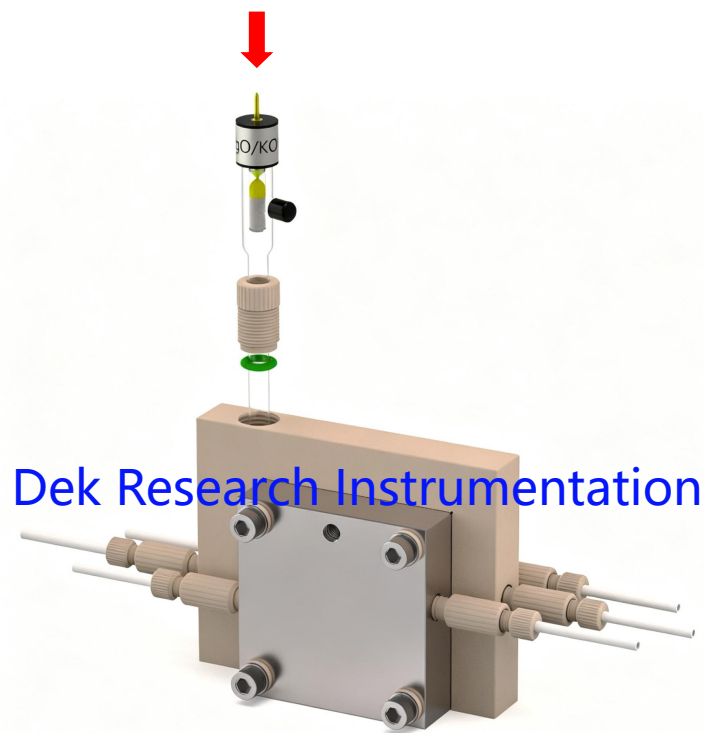
11.1 Remove the remaining 2 positioning rods.

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

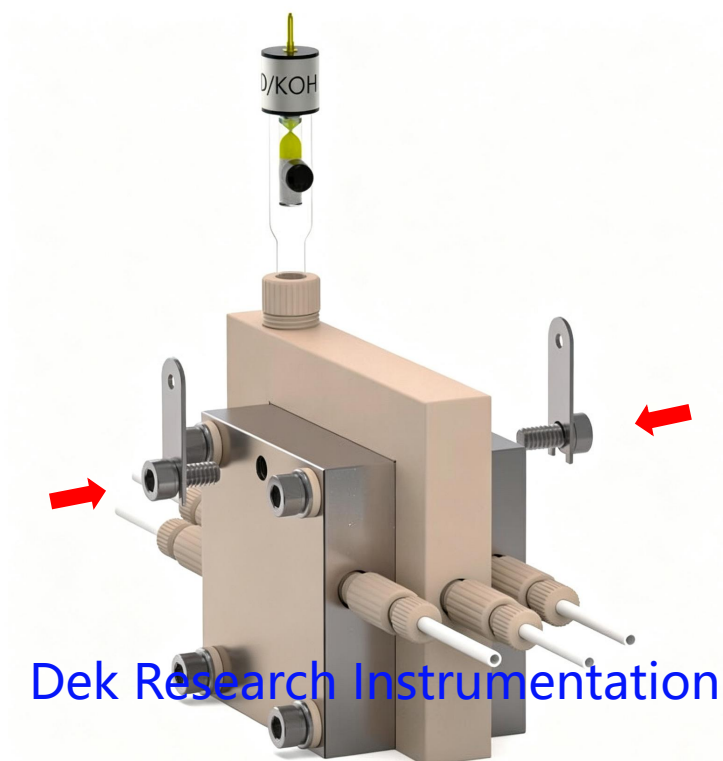


12 Install the PTFE tube.

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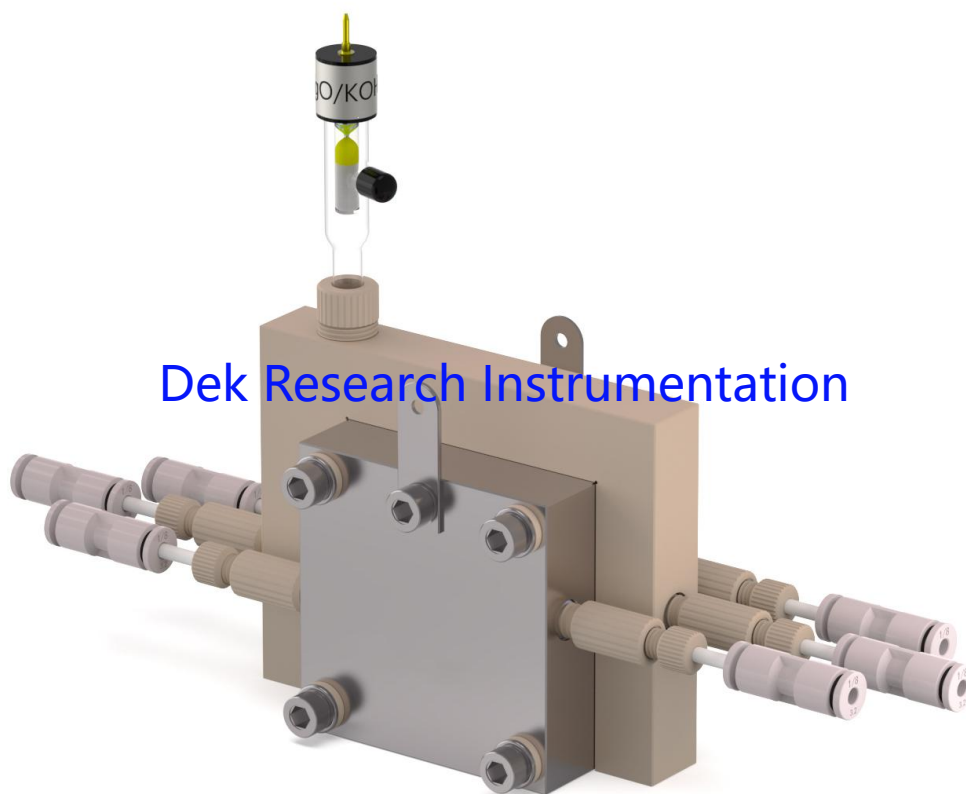


13 Install the reference electrode.



14 Install the conductive current collector.

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15 Assembled.