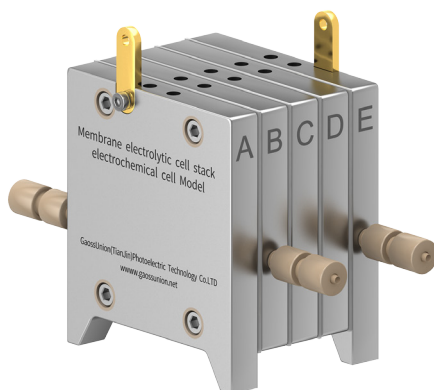
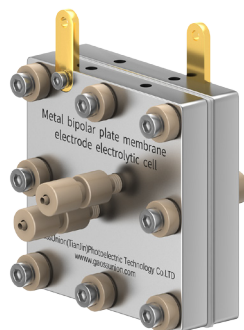
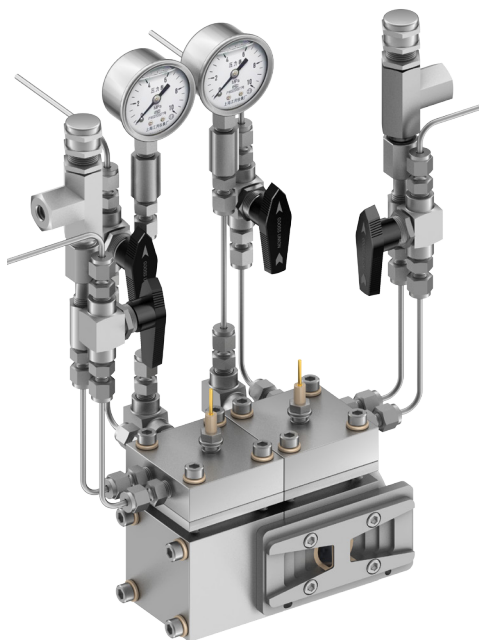


Electrochemical Product Catalogue

Electrolytic Cells Electrode



COMPANY

Company Profile Gaoss Union was established in 2008 in East Lake High-Tech Development Zone of Wuhan, known as "Optics Valley of China".

Ever since its establishment, Gaoss Union has devoted to research, development, production, sales and service of electrochemical products. It is a scientific and technological company with research of electrochemical reactions as well as design and manufacture of electrochemical devices as its major businesses.

Gaoss Union manufacture and sell three-electrode, electrolytic cells, flow cells, characterization cells, electrochemical materials, etc. required for electrochemical experiments, as well as provide customized electrode and electrochemical device services.

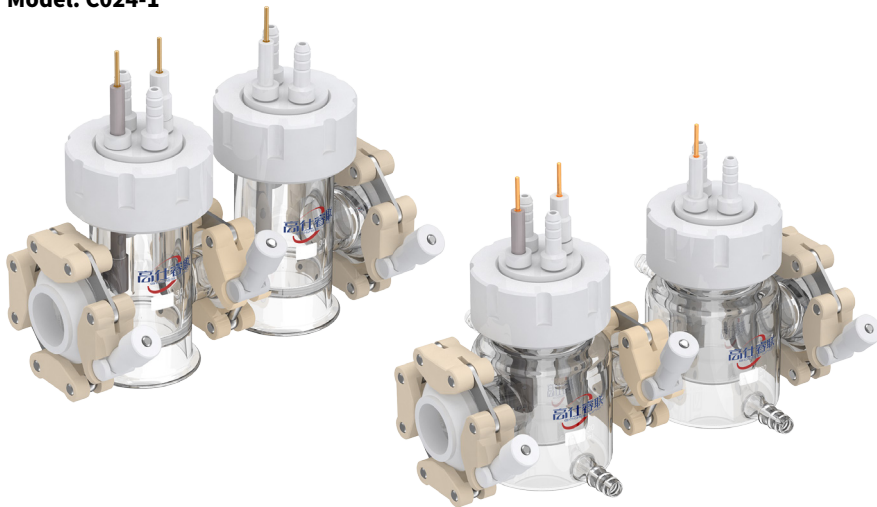
Welcome to inquire.



Double Window Photocatalytic Electrochemical Cell Series

H-Type Photoelectrochemical Cell (Double Optical Window, Relatively Sealed)

Model: C024-1



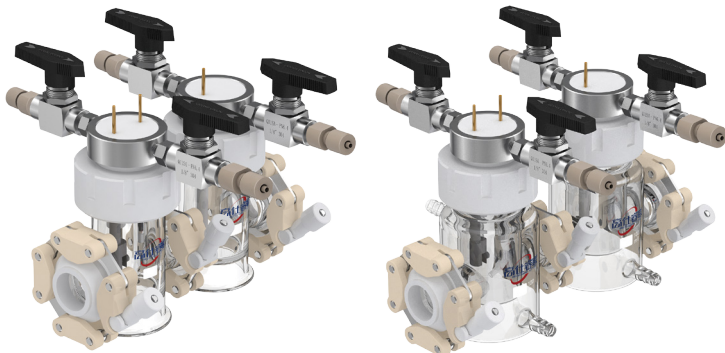
- The cell is made of high purity borosilicate glass.
- The optical window of the electrolyte cell is made of quartz, with a transmittance >95%.
- The dual quartz windows are easily replaceable and securely sealed using a proprietary designed clamp attached to the cell body, can be assembled and disassembled quickly and conveniently.
- The single-layer cell body has a top-drop vial design, which effectively reduces the dead volume
- This cell is often used in a 3-electrode system, with a customizable volume of 30ml to 500ml.
- The compatible electrodes of the electrolytic cell need to be purchased separately.
- The top electrodes holder is 360-degree rotatable, made of PTFE, allowing precise alignment of electrodes to the optical window, then sealed by tightening the outer cover made of POM material.
- Electrode area seals via O-rings and screws.
- The electrolyte cell is equipped with a bubbler that can aerate below the liquid surface, creating different atmospheres for various experiments
- The electrolyte cell comes in both single-layer and jacket form. The jacket layer allows a constant temperature through water circulation on top of the single layer design.

Volume (ml)	Volume (ml)	Single layer	Jacketed
30mL	150mL		
50mL	200mL		
100mL	250mL		

All sizes listed are common sizes, can be customized according to requirements.

Double Window Photocatalytic Electrochemical Cell Series

H-Type Photoelectrochemical Cell (Double Optical Window, Absolutely Sealed)
Model: C024-2



- The optical window of the cell is made of high purity quartz, with a transmittance >95%.
- The dual quartz windows are easily replaceable and securely sealed using a proprietary designed clamp attached to the cell body, can be assembled and disassembled quickly and conveniently.
- The sealed cell is equipped with valves and gas connectors, which is vacuumable (below -100Kpa) and can be slightly pressurized up to 0.5MPa for single cell. Jacketed cells cannot be used for pressurization!
- The compatible electrodes of the electrolytic cell need to be purchased separately.
- The single-layer cell body has a top-drop vial design, which effectively reduces the dead volume
- This cell is often used in a 3-electrode system, with a customizable volume of 30ml to 500ml.
- The cathode chamber and the anode chamber are separated by an ion exchange membrane. The two chambers are connected by a flange with chain-type clamp, which is convenient for assembling and disassembling. The reference electrode and the working electrode are in the same chamber, which effectively reduces the reduction in R value.
- The top electrodes holder is 360-degree rotatable, made of PTFE, allowing precise alignment of electrodes to the optical window, then sealed by tightening the outer cover made of POM material.
- The cell comes in both single-layer and jacket form. The jacket layer allows a constant temperature through water circulation on top of the single layer design.
- The electrolyte cell comes in both single-layer and jacket form. The jacket layer allows a constant temperature through water circulation on top of the single layer design.

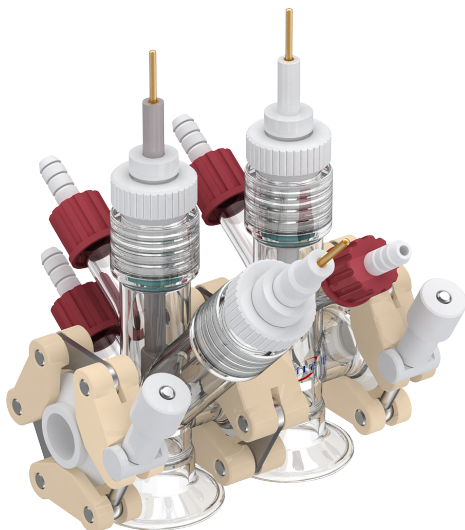
Volume (ml)	Volume (ml)	Single layer	Jacketed
30mL	150mL		
50mL	200mL		
100mL	250mL		

All sizes listed are common sizes, can be customized according to requirements.

Committed to the electrochemical equipment research&development, and manufacturing

Double Window Photocatalytic Electrochemical Cell Series

Small-Volume Replaceable Membrane Photoelectrochemical Cell (Single Optical Window, Relatively Sealed) Model: C024-10



- The cell is made of high purity borosilicate glass.
- The optical window of the cell is made of quartz, with a transmittance >95%.
- The quartz window is easily replaceable and securely sealed using a proprietary designed clamp.
- The compatible electrodes of the electrolytic cell need to be purchased separately.
- The single-layer cell body has a top-drop vial design, which effectively reduces the dead volume
- This cell comes in a 3-electrode system, the single cell volume is 10ml.
- The cathode chamber and the anode chamber are separated by an ion exchange membrane. The two chambers are connected by a flange with chain-type clamp, which is convenient for assembling and disassembling. The reference electrode and the working electrode are in the same chamber, which effectively reduces the reduction in R value.
- The top electrodes holder is 360-degree rotatable, made of PTFE, allowing precise alignment of electrodes to the optical window, then sealed by tightening the outer cover made of POM material.
- Electrode area seals via O-rings and screw caps.

Options without sampling port and with sampling port are both available.

Jacket type is not available for small volume cells.