

• HORIZONTAL STANDARD CELL - SIDE BI SIDE CELL

Our horizontal diffusion cells are glass diffusion cells like Side-Bi-Side cells. Standard Horizontal Cells have orifice diameters from 5mm to 15mm.

Cell volumes are dependent on orifice diameter and customer specifications. After a membrane is placed between the cell halves, the Cell Clamp is placed around them. The adjusting knob is then gently tightened to hold the glass halves and membrane or device together. The assembly is then located over the stirring magnets of an H-Series Stirrer by placing the holes in the clamp over pins on the top of the unit.

These cells are suited to iontophoresis work and are easily customized with additional porting, amberizing, etc.

When referring to Side-Bi-Side Cells, the word cell means both pieces of glass together.

We supply our Side-Bi-Side Cells with stoppers and stirbars for both sides.

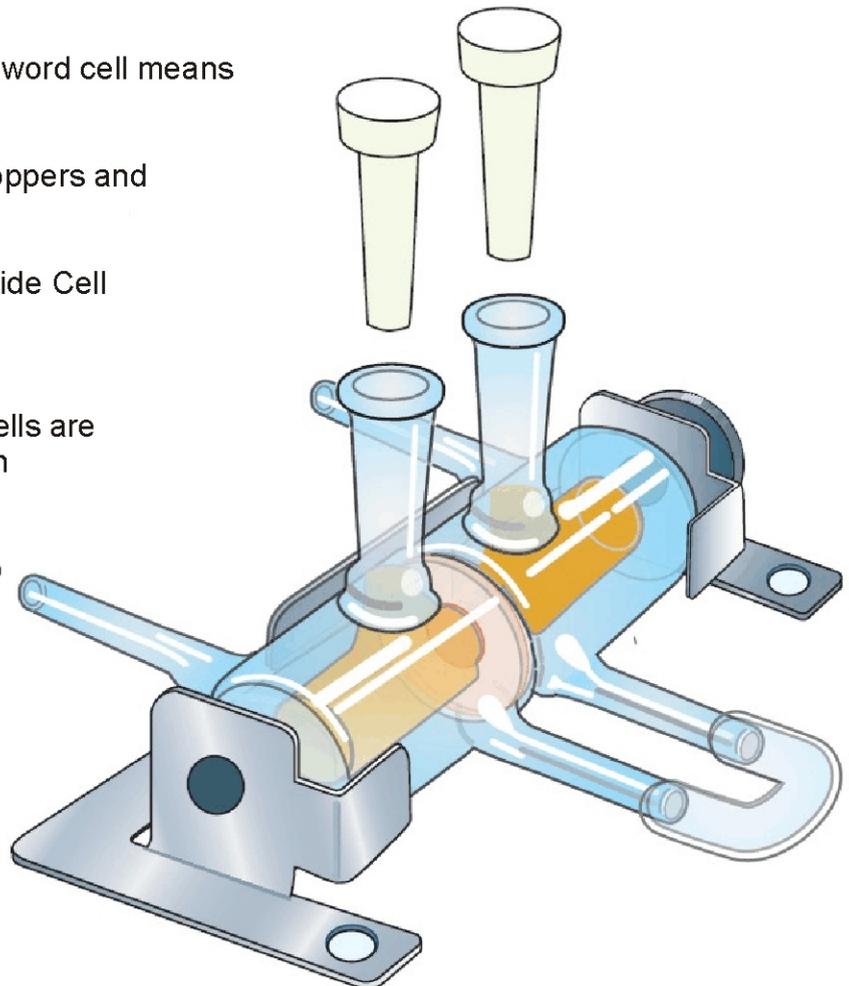
The drawing on the right is of a Side-Bi-Side Cell assembled together with the membrane, Cell Clamp, and stirbars.

The clamping surfaces of Side-Bi-Side Cells are ground flat and will not leak even with thin dialysis membranes between them.

Some researchers add vacuum grease to ensure a good seal with very thin membranes.

We also can provide Teflon foam gaskets in various sizes if the membranes are uneven and need "filler" to help seal them.

Note also the short piece of tubing connecting the heating jackets of both halves of the cell.

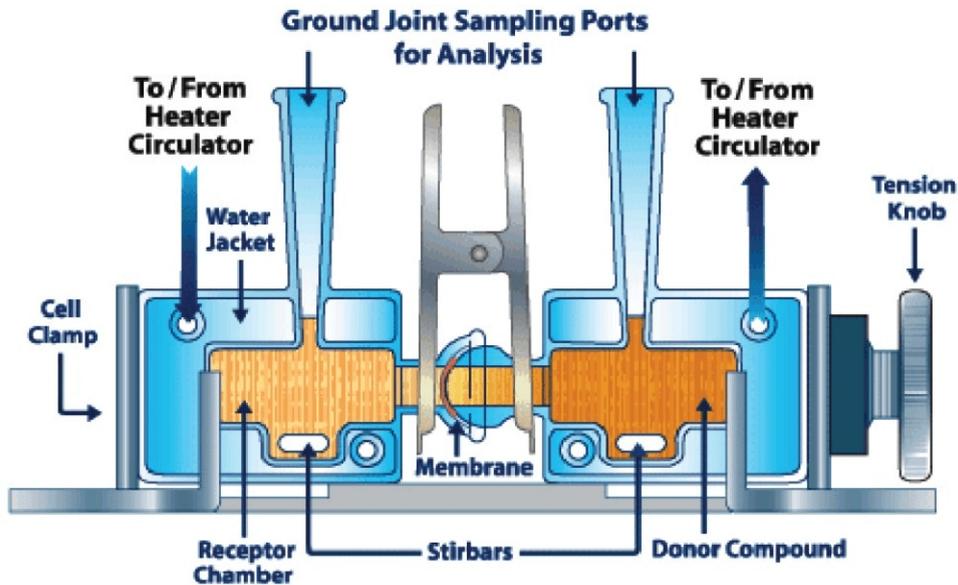


We have chosen to illustrate the flow moving through the cell in one direction, but either direction is acceptable.



• VALIA-CHIEN CELL

The figure viewed from the front the cell that you want to use for the spherical membrane. The basic structure is the same as the horizontal cells of normal, spherical membrane. It has a spherical joint to secure, we are mounting a clamp dedicated in the center. To need in the horizontal cell.

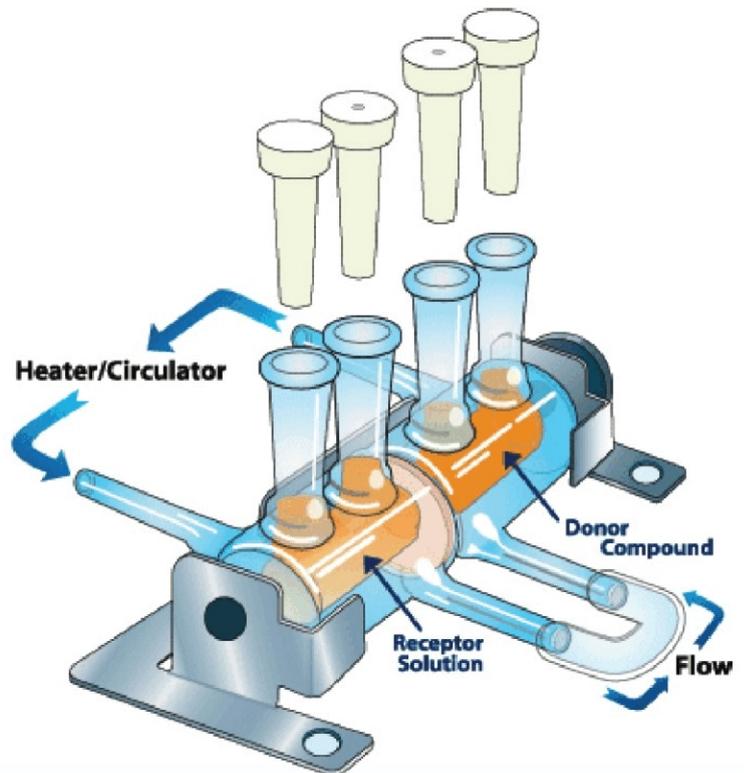


You can choose from one of the joint 3 O ring, ground plane, the plane flange in addition to fit. Ground plane is used most commonly, as a Dialysis membrane if it be a film of the plane It does not leak when many also occur in a very thin film.

• IONTOPHORESIS CELL

This Side-Bi-Side Cell Type was made with a special second porting for iontophoresis work.

One of that stopper on each side of the cell has a hole through it for running a wire with an electrode into the inner volumes of the cell.



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