

Clear Education Cell Assembly Instructions Addendum (5/2010)



NEW "CLEAR EDUCATION CELL"
Now with 13 - 2.5" x 8" plates One anode (+)
& 2 cathodes (-) 10 neutral plates to divide up
the voltage down to approx. 2.1 volts between
the plates. We also include black rubber
isolation tape that makes it 16% to 20% more
efficient, runs cooler, more e-gas less heat, the
water stays clear in this cell! No red anode mud
at all. It will soon come with a recirculating tank
and a pour cast urathane plastic system that
will isolate the plates and make more gas, with
this new system the cell produces one LPM at
15 amps 1.5 LPM at 20 amps. It can handle 25
amps for long runs of 8 hours or more.
3/6/10 (come back for updates with this kit)



The kit now comes with 13 larger plates, (8.5" tall x 2.5" wide) and all plates are solid ss steel, no more perforated plates like the photo above has. The photo above is the new assembly. The assembly of the plates is the same, just taller plates and the top bent rod is shorter. We used to have perforated anodes, now we have solid cathode and anode. We also added black rubber tape to wrap all around the plates. We wrap all around the outside of the plates and bottom of the plates leaving only a small slit in the bottom corner of the plate assembly to allow water to seep in the center of the plates and we leave the top of the plates open. This new setup adds 10 neutral plates (2.5"x8" each) to absorb voltage down to 2.1 volts between the plates, so it does not heat up, nor do the electrodes get eaten away or turn up red anode mud. A cold electrolysis cell that spends more energy to produce hydroxy gas.



At the end of the plate assembly, we wrap the plates inside your "clear filter cell" with 3/4" wide, black rubber stretch, self fusing tape. Wrap all the way from the top to the bottom with the tape overlapping 2 to 3 times and allowing it to stick to itself, the tape fuses when pressed together. You leave the top of the plates open and bottom of the plates as well, to let the water level out. Doing this increases hydroxy gas approx. 16% to 25%+ more efficiency, less heat at the cell terminals as well. I had 25 amps running through the test cell.

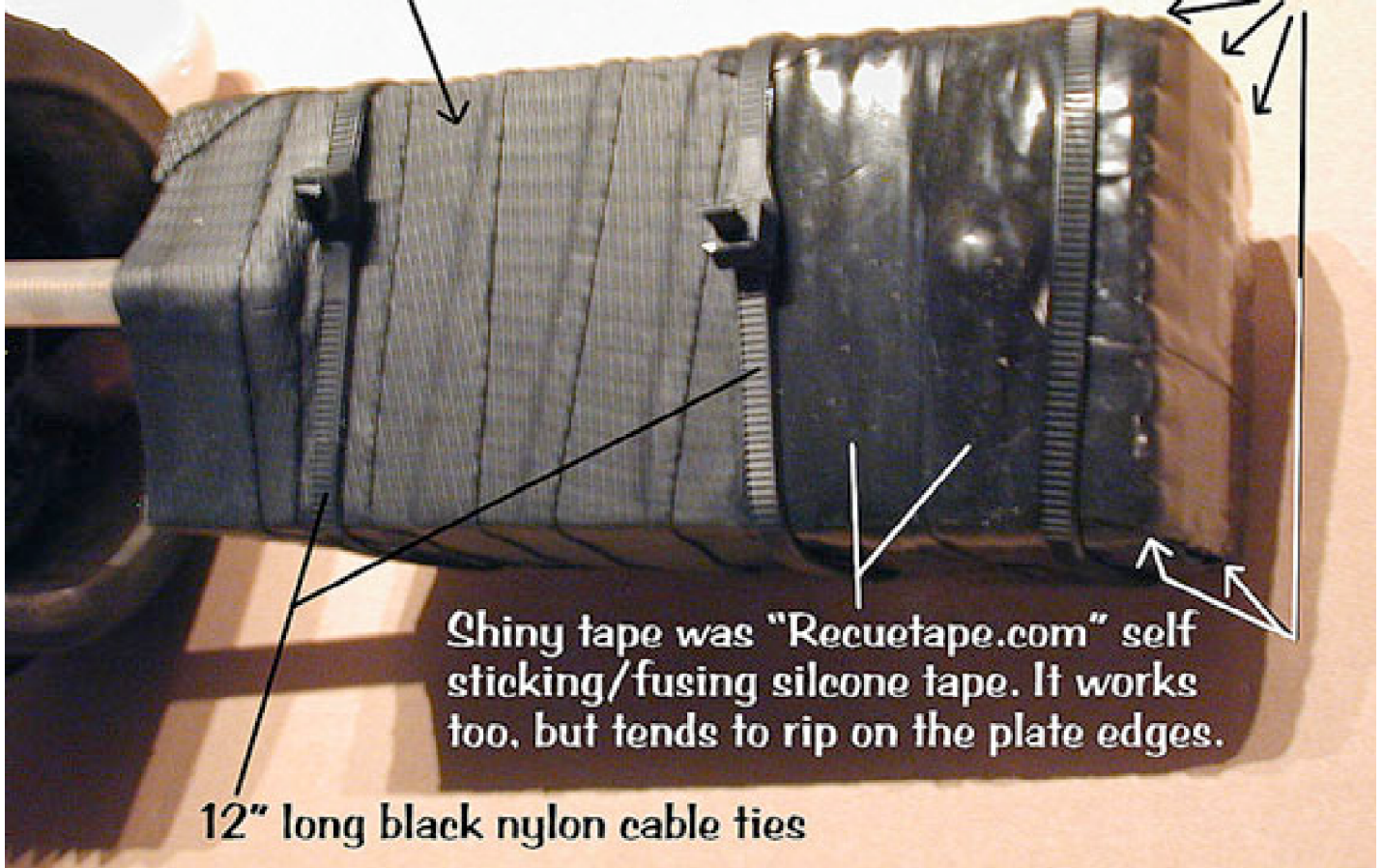
With rubber cover about 1 minute per liter of hydroxy gas with 22 amps.

Standard Clear Cell no rubber wrap : about 1 liter per minute of hydroxy gas with 35 amps.

Please use a 30 amp fuse and don't run it any higher than 25 amps. I like to start with 15 amps And let it settle up to about 20 amps, when warmed up after .5 hour of driving. We now sell a PWM P30 that has "current limiting" capabilities. So you set the cell at 20 amps on the bench cold and it stays at 20 amps the whole time the cell is running. Add nylon ties to secure the rubber tape and that is about it. Enjoy.

Black rubber "Emergency tape" from Ace Hardware

Exposed slits on each edge of plates



Shiny tape was "Recuetape.com" self sticking/fusing silicone tape. It works too, but tends to rip on the plate edges.

12" long black nylon cable ties

