



SPECS on Parts

All metals are 316L grade SS.

Electrodes are 3/8" OD. X .030. Brush finish sanded.

Cathodes are 7/16 OD. X .030 brush finish sanded

Contact plates are .040 factory extruded finish. Spec. bored to clearance @ 1/2"
For cathode and 3/8 for electrode Xx(9) per plate. 6 plates per unit.

Buss plates (welded contacts) are factory extruded finish. 1/2" x .040. And adjusted for length according to Electrolyzer tube lengths.

Terminal buss plates are adjusted accordingly with length of electrolyzer tubes with
Right angle bends 3/4" from terminus and bored to receive 3/8 x 2-1/4" SS fine thread
Hex head bolt.

Section dividers are .010 Poly styrene , 1-7/8" x length of electrolyzer assy.

All assy. Are spec welded by T.I.G. process annealing, specified no filler.

Electrolyzer tubes to contact plates spec. @ 2 annealed tack per junction.

Buss and terminal plates are spec. seam welded to contact plate assy.

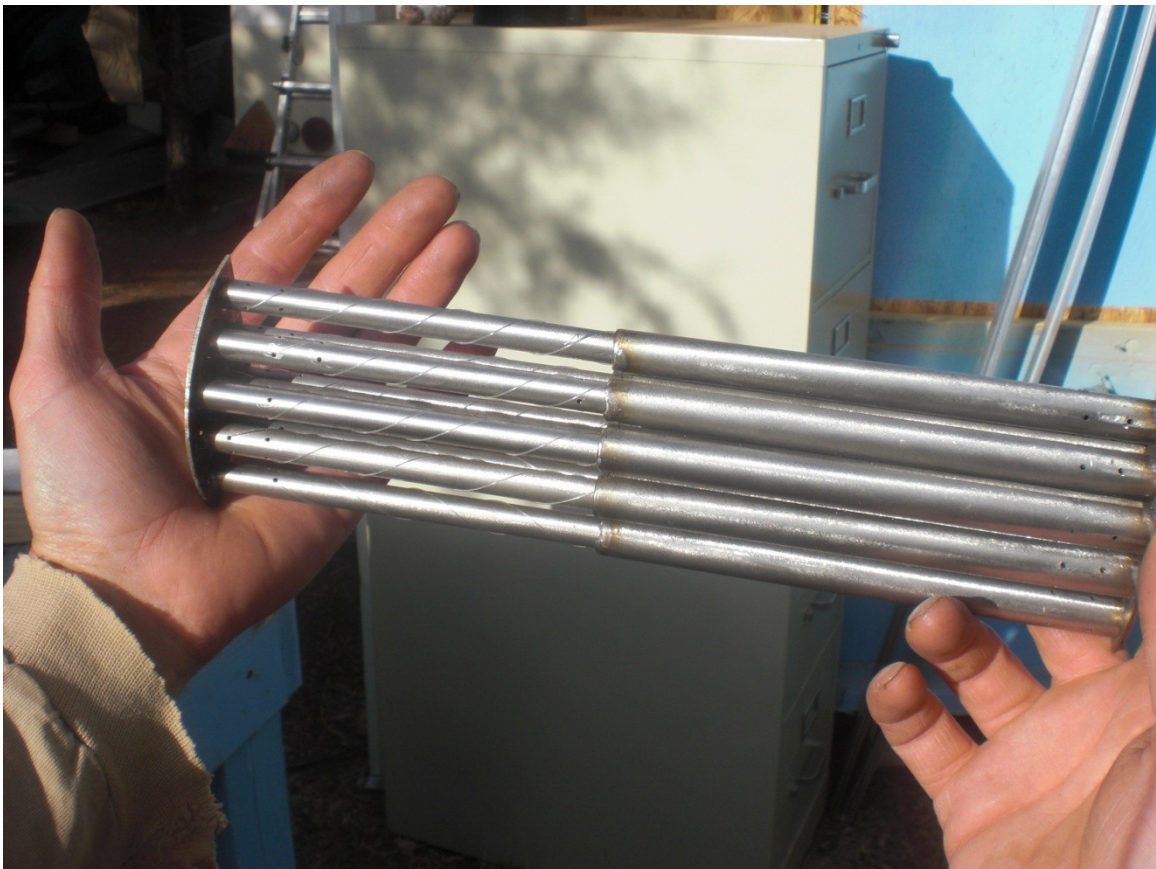
Electrode to cathode spacers are cast acrylic with 1/16" x 3/16 shafts and 1/8"
Pan heads. 1/32" thick heads.



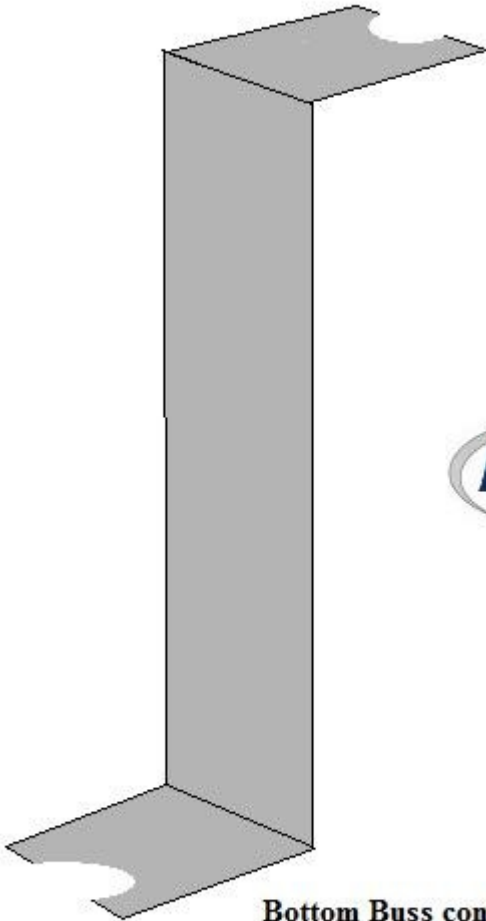
Parts set up for welding contact plates







Top Buss contact is riveted to top plate, from underneath. Cut is made to fit around 1/2" tube



Bottom Buss contact is riveted to bottom plate, on top of the plate. Cut is made to fit around the 3/8" tube.

Note: Both top and bottom can also be TIG welded. Rising part of the bar will be between the plastic dividers, to keep from shorting.