



APPENDIX C – PARTS OF THE PILOT PLANT

Part name	Picture	Description
Pallet tanks		<p>Standard IBC 1000 L Mixtank fra Dansk Emballage www.pallettanke.dk</p>
Membrane unit		<p>Small membrane unit holder with 1.1 m metal hanger.</p> <p>The metal hangers were covered in plastic to prevent corrosion.</p> <p>Membrane unit was made to order by in 30mm grå PVC by Rias. www.rias.dk</p>

<p>Electrolyte pumps</p>		<p>Plastomec P pumper model P05 PP 230VAC 50Hz</p>
<p>Electrolyte can</p>		<p>Volume – 25 liters</p>
<p>EDI equipment: Power source Electrodes etc</p>		<p>1 pcs Powersupply 2 x 0-30VDC 3A +5V 3A Output spænding: 2 x 30V eller 60V DC; Output strømstyrke: 2 x 3A eller 6A</p> <p>1 pcs Powersupply 0-65VDC 0- 3A with DC output : 0-65 V and 0-3 A</p> <p>2 pcs Powersupply 0-30VDC 0- 3A with DC output : 0-30 V and 0-3 A</p>

Aeration



A system consisting of a T formed PVC plastic pipe PN6: Inner diameter 50 mm in the down leg, 40 mm in the bottom legs, joined by a T connector 50 mm/40 mm.

The bottom legs should have drilled holes (D=3 mm) spaced 5 cm apart at the bottom of the tube.

The system was fed with compressor with flow of 10 m³/h and a max pressure of 9 bar.

