



ElectroMac





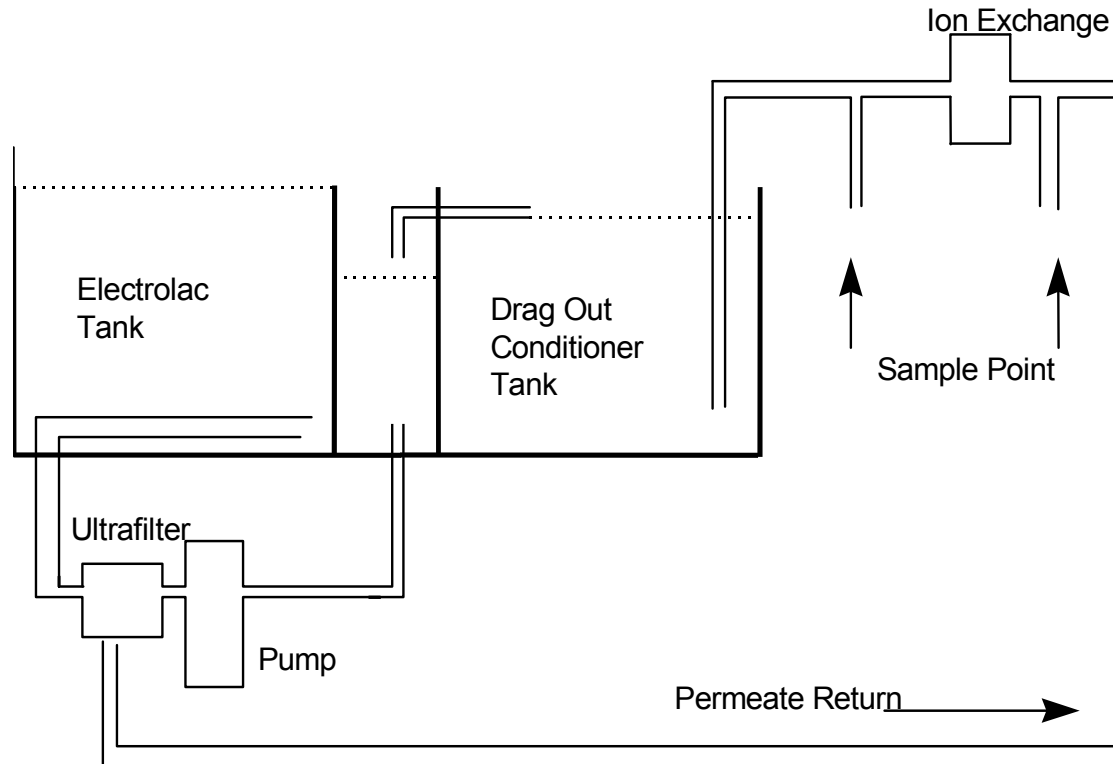
ElectroMac

- Pigmented Paint System
- Cathodic application
- Water based process
- Film is deposited underwater
- Operated on a closed loop system by the use of ultrafiltration





Closed Loop System



NB: Return from pumps via sparge pipes under the anodes





Closed Loop Advantages

- Optimum raw material usage
- Dragout recovered (no overspray loss)
- Consumption tied to film thickness
- Waste reduced to a minimum



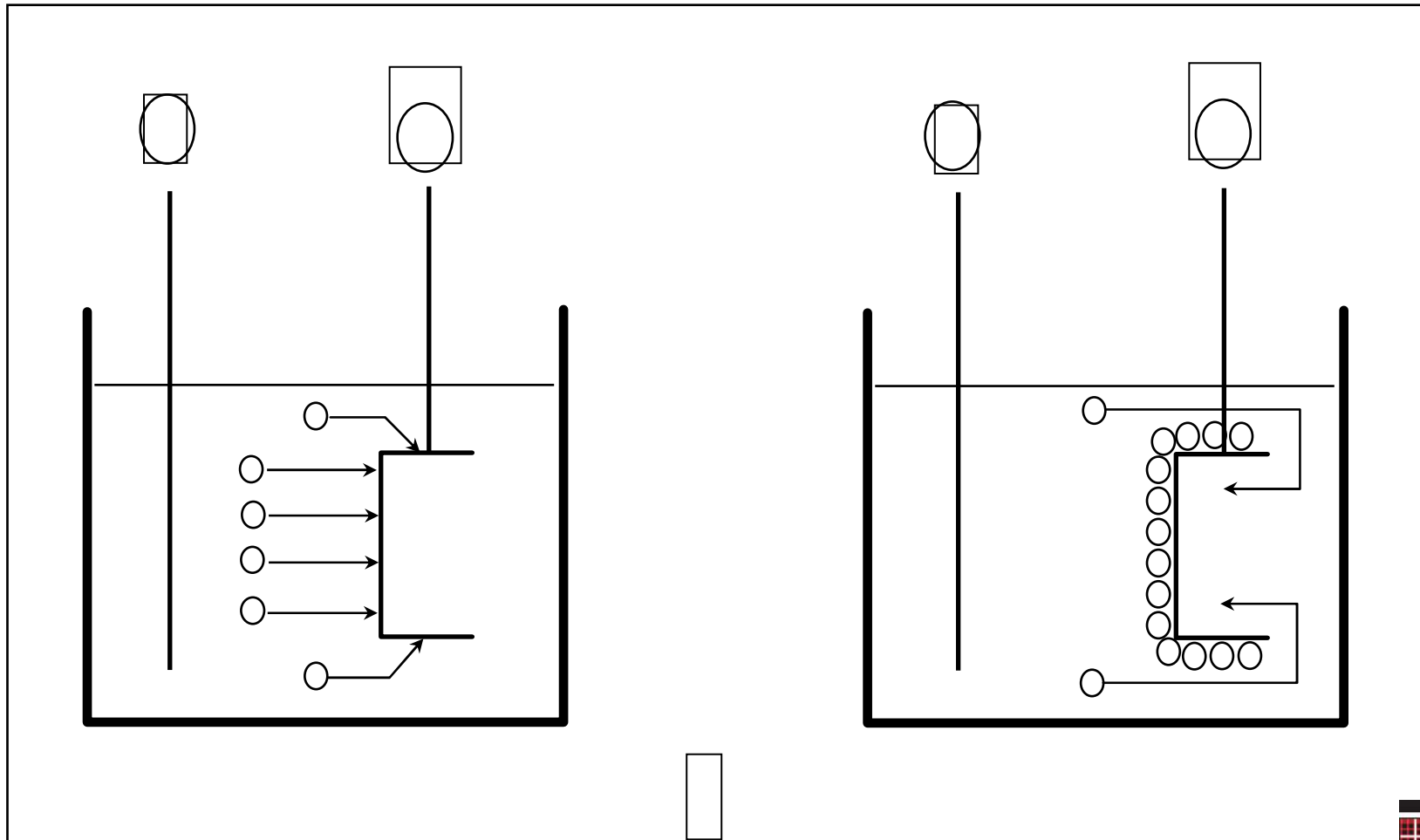


The PLANT





Throwing Power





Performance Data

- QUV weatherometer 1000 hrs
gloss reduction 2%
- Neutral Salt Spray on
phosphated steel 1000hrs
- Humidity 1000 hrs
- Hardness 5H
- Acetone rubs 100+ double rubs
- Excellent resistance to UV
- Excellent corrosion resistance
- Important for shipping
- Hard surface coupled with
good chemical resistance
indicates excellent wear
properties





Electromac

- A uniform coating
- Excellent adhesion, wear and chemical resistance
- Environmentally friendly
- Tailored chemistry.
- Suitable for bulk production high loading





Complete Finish Schematic

Electromac Black 25 microns

Trivalent Chrome Passivate film 80 nano meters

*Zinc Nickel alloy deposit 5-8
microns*





Electromac Finish

SALT CHAMBER - ZINC GEAR CASE
CONSUMER IN LINE SCREWDRIVER



ELECTROMAC BLACK
NO MASKING, 0.0004"
THICK



POWDER COAT
MASKING, 0.005"
THICK





SALT CHAMBER - THIXOTECH VS AFT PARTS

THIXOMOLDED AZ91 MAGNESIUM



THIXOTECH - HP PART

VIBRATORY

ELECTROMAC - .0004"
THICK



AFT - 24V COMBI GEAR CASE

SANDED, FILED, SHOT BLAST

POWDER COAT - .005" THICK

