Cirquip 17 Station Manual Zinc Nickel & Cadmium Electroplating line

Stock No	LIN302
Manufacturer	Cirquip
Model	Electrolytic Immersion Treatment Plant
Condition	Seen working by RSW, Good Condition
Work Envelope (WxDxH mm)	2260 x 650 x 670
Process Stages	17
Other Info	See Attached Process Schedule
Location	Whitstable, Kent, UK

Description

Zinc Nickel & Cadmium 17 Station Manual Plating Line

Station 1) Cleaning with heating and filter pump

Operating Temperature 65°c
Tank Size (L x W x D): 590 x 590 x 910 mm
Nominal Volume (Litres): 290
Tank Material: Polypropylene

Station 2) Cold water rinse with water inlet

Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

Station 3) Cadium barrel plate with heating and filter pump
Operating Temperature 25°c
Process timer: Yes
Tank Size (L x W x D): 1200 x 590 x 600 mm
Nominal Volume (Litres): 360
Tank Material: Polypropylene
Rectifier: 250 amps 12 volts
Exhaust: Yes
Anode: 2 off
Cathode: 2 off

Station 4) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: Polypropylene

Station 5) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: Polypropylene

Station 6) Zinc Nickel Plate with heating, cooling and filter pump
Double Plating Tank
Operating Temperature 25°c
Process timer: Yes
Tank Size (L x W x D): 2260 x 650 x 670 mm
Nominal Volume (Litres): 783
Tank Material: Polypropylene
Cooling: Heat Exchanger
Agitation: CRMG/Eductors
2 off Rectifiers: 250 amps 12 volts
Exhaust: Yes
Anodes: 2 off
Cathodes: 2 off

Station 7) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

Station 8) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

Station 9) Cadmium Plate with heating and filter pump
Double Plating Tank
Operating Temperature 25°c
Process timer: Yes

Tank Size (L x W x D): 2260 x 650 x 670 mm
Nominal Volume (Litres): 783
Tank Material: Polypropylene
Cooling: Heat Exchanger
2 off Rectifiers: 250 amps 12 volts
Exhaust: Yes
Anodes: 2 off
Cathodes: 2 off

Station 10) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

Station 11) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

Station 12) Kaddip
Tank Size (L x W x D): 450 x 450 x 600 mm
Tank Material: PVC

Station 13) Hot water with heating and filter pump
Tank Size (L x W x D): 450 x 450 x 600 mm
Tank Material: PVC

Station 15) Olive Passivisation with heating and filter pump
Operating Temperature 25°c
Process timer: Yes
Tank Size (L x W x D): 1200 x 590 x 600 mm
Nominal Volume (Litres): 360
Tank Material: Polypropylene
Rectifier: 250 amps 12 volts
Exhaust: Yes
Anode: 2 off
Cathode: 2 off

Station 16) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

Station 17) Cold water rinse with water inlet
Tank Size (L x W x D): 450 x 450 x 450 mm
Tank Material: PVC

station	process	temperature	length	width	depth	nominal	tank	heating	filter	water	exhaust	rectifier	re

Machine Datasheet

no.	timer	°c				volume (l)	material		pump	inlet		(amps)	(v
1		65	590	590	910	290	pp	Y	Y				
2			450	450	450		pvc			Y			
3	Y	25	1200	590	600	360	pp	Y	Y		Y	250	12
4			450	450	600		pp						
5			450	450	600		pp			Y			
6	Y	25	2260	650	670	783	pp	Y	Y		Y	250	12
7			450	450	630		pvc						
8			450	450	603		pvc			Y			
9	Y	25	2260	650	670	840	pp	Y	Y		Y	250	12
10			600	600	620		pvc						
11			600	600	620		pvc			Y			
12			450	450	600	100	pvc						
13		40	450	450	600		pvc	Y					
14													
15	Y	22	450	450	600	110	pvc	Y			Y		
16			450	450	600		pvc						
17			450	450	600		pvc			Y			

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.