

TECHNICAL SPECIFICATIONS: CIP Model AT500

Recirculating Pump	One No.
Pump Type	Centrifugal SS
Flowrate (LPH)	10000 9000 8000 7000 6000
Head (mtrs)	33.5 38.0 42.5 45.0 47.0
Inlet and outlet connections	50 mmNB
Drive	2.2 KW / 2850 rpm / 50 HZ / 415 V / 3 Phase
Pump MOC	SS-304
Impeller & Shaft	SS-304 AISI with special Mechanical Seal
Liquid temp range	120 °C
Weight of the Pump	30 Kgs
Size	570 mm L X 230 mm H X 180 mm D
Chemical Preparation Tank	One No.
Type	Vertical ,Cylindrical
Dimensions	800 mm ϕ x 1000 mm Height
Material of Construction	SS-304
Shell & top / bottom thickness	1.6 mm
Opening	From Top
Nozzles	At Bottom & Top
Volume	500 litres
Electric Heater	One no.
Type	Industrial -Coil type 8.2 mm Dia
MOC	SS -304
Dimensions	Total 60 " Long
Power Supply	220 -240 V , 2.0 KW Each x 3 coils (6 kw)
Temperature range	Upto 120 deg. C
Other Accessories	
Pressure gauge (one)	0 -7,Kg/cm ² , 4 " Dial Size,End Connection- 3/8" BSP,Process Temp-120 deg.C Max, Accuracy- +/- 2 % , SS,Non-Ferrous Bourdon tube.
Digital Temperature Indicator & controller	Resistance Temperature Detector(RTD) : Accuracy: Class "A" as per IEC-751, Mineral Insulated, Head: Cast Alu.. W. P. TO IP-65., Conduit Entry: 3/4" ET(F). Sheath Dia 6 mm, Connection : 1/2" BSP (M) Adj.,M.O.C.: SS 316Element-PT-100: 3 wire simplex /6 wire duplex assembly,Temp.range :-200 to +449 deg.C,300 mm Long , Input-RTD ,2 relay Output .
Level Sensor & Controller	SS-Rod & Float type, High /Low & ref. point
Electrical Control Panel Box	In MS Powder Coated, ON/OFF arrangement for Pump & Heater, with Low Level Cut off for Pump As well as High Temp cut off for Temp in tank.
SS Ball Valve-threaded (Two)	50 mmNB at Suction & discharge side
SS Ball Valve-threaded (One)	Drain port - 25 mmNB
Pipe fittings (Two sets)	Flanged ends / Screwed ends / TC
Pipe MOC	SS-304
Skid cum Trolley (One)	MOC-MS Skid with SS-304 cladding
Size of the skid	800 x 1600 mm (4- wheels)
Flexible hoses (2 Nos)	SS - Corrugated, wire braided, GI Flanged - 5 mtrs Long x 50 mmNB