

CH SURFACE AERATOR

CH Surface Aerator playing a major role as oxygen transferor & mixer for aerobic system where microbe needs oxygen to do digestion. It provides an economical and effective solution for many different types of industries such as below:

- Municipal wastewater treatment
- Leachate treatment
- Chemical processing
- Textile industries
- Dairies
- Pulp and paper mills

TS CHUAN Engineering & Drilling Sdn. Bhd. is capable to manufacture two types of Surface Aerator: - **Fixed Mounted Surface Aerator & Float Type Surface Aerator.**

CH Surface Aerator is a very practical and economical means of supplying atmospheric oxygen to any aerobic waste water treatment system. It combines superior design with successful field experience. The radial turbine is designed for optimum oxygenation capacity and mixing performance.

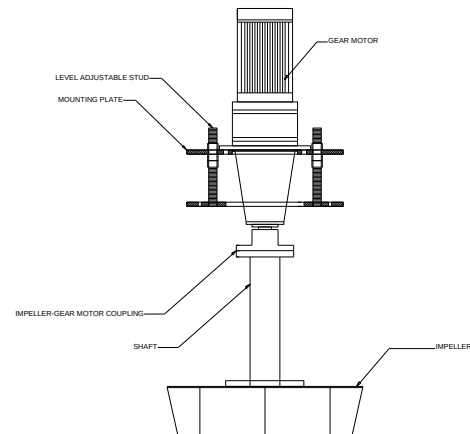
CH Surface Aerator consists of a turbine-type aerator, which is mounted just below the surface of the liquid to be aerated. The action of the turbine creates a vortex, lifting large quantities of oxygen-deficient liquid from the bottom of the basin, pumping it through the oxygenation zone, discharging it radially, and dispersing it throughout the liquid body at a low velocity. Not only is a maximum amount of oxygen transferred, but also high pumpage ensures a clean sweep of the bottom of the basin without the need of expensive draft tubes, anti vortex baffles in square or rectangular basins.

Our Technology – Your Advantage

- **High quality**
- **Quick delivery**
- **Simple and rugged design**
- **Good after sales support**
- **Low operational cost**
- **Ease of maintenance**
- **Low power consumption**
- **Economic and reliable**

CH FIXED MOUNTED SURFACE AERATOR

Model No	Motor Rating kW	Speed rpm	Max Capacity Kg.O ² /hr	Impeller Diameter (mm)	Diameter Of spray (mm)	Recommended operation depth (mm)	Width range (mm)
CH-M750i	2.2	112	5	750	2250	5000	13000
CH-M750i	3.0	112	7	750	2250	5000	14000
CH-M750i	5.5	97	13	750	2250	5000	15000
CH-M750i	7.5	112	18	750	2250	5000	16000
CH-M750i	11	132	26	750	2250	5000	18000
CH-M1000i	15	96	36	1000	3000	5000	19000
CH-M1000i	18.5	96	44	1000	3000	5000	20000
CH-M1250i	22	69	53	1250	3750	5000	22000
CH-M1250i	30	69	72	1250	3750	5000	25000
CH-M1500i	37	69	89	1500	4500	5000	26000
CH-M1750i	45	50	108	1750	5250	5000	28000
CH-M2000i	55	48	132	2000	6000	5000	32000
CH-M2000i	75	49	180	2000	6000	5000	36000



CH FLOAT TYPE SURFACE AERATOR

Model No	Motor Rating kW	Speed rpm	Max Capacity Kg.O ² /hr	Impeller Diameter (mm)	Diameter Of spray (mm)	Recommended operation depth (mm)	Width range (mm)
CH-S750i	2.2	112	5	750	2250	5000	13000
CH-S750i	3.0	112	7	750	2250	5000	14000
CH-S750i	5.5	97	13	750	2250	5000	15000
CH-S750i	7.5	112	18	750	2250	5000	16000
CH-S750i	11	132	26	750	2250	5000	18000
CH-S1000i	15	96	36	1000	3000	5000	19000
CH-S1000i	18.5	96	44	1000	3000	5000	20000
CH-S1250i	22	69	53	1250	3750	5000	22000
CH-S1250i	30	69	72	1250	3750	5000	25000
CH-S1500i	37	69	89	1500	4500	5000	26000
CH-S1750i	45	50	108	1750	5250	5000	28000
CH-S2000i	55	48	132	2000	6000	5000	32000
CH-S2000i	75	49	180	2000	6000	5000	36000

