

Chlorination System

Chlorination is done by chlorination system i.e. V-notch vacuum eductor type chlorinators to maintain a free residual chlorine in the cooling tower return header. Alternately, ClO₂ dosing with in-situ hypochlorite based ClO₂ generator is also offered. Chlorination system which is generally offered as per specifications of client:

- Tonner room of adequate size to house Chlorine tonners.
- Separate room-control panel, booster pumps and safety equipments in room adjacent to tonner room.
- Exhaust fans of required capacity in Chlorine tonner room and Chlorinator room.
- Vent piping to a safe high point out of the room
- Complete piping, valves etc
- HDPE Diffuser

Accessories

All other instruments like pressure gauges, pressure relief valves, level indicators, compound gauges, etc. are provided.

- Anti-syphon ejector assembly with fixed /variable throat, spring diaphragm and ball valves, check valves, etc.
- Sets of trunions, for tonners.
- Monorail with chain pulley block of required capacity with tonner lifting bar and Dial type weighing scale.
- Residual Chlorine Analyzer Kit.
- Chlorine gas leak detector with sensors, complete with audio-visual alarms with indication in Control Panel etc.
- Chlorine Leak Neutralization System
- Safety equipments: -
 - ⇒ Respiratory equipment (pressure demand type air masks-full face for working in leak area)
 - ⇒ Canister type gas mask
 - ⇒ Ammonia torches
 - ⇒ Emergency repair kit
 - ⇒ Weather sock provided at a suitable location in the building
 - ⇒ Safety helmets and goggles
 - ⇒ Rubber boots
 - ⇒ Gloves and coloured vests (aprons)
 - ⇒ Safety check lists
 - ⇒ Operating and Maintenance Procedure
 - ⇒ Emergency Action Plan
 - ⇒ Cinch strap for each toner
 - ⇒ Safety shower and eye wash facility

Chemicals, Consumables and Spares are also provided as per clients requirements.