



IDEAL PLUS TECHNICAL SERVICES LLC

CHW PIPE CHEMICAL FLUSHING

Brief History

HVAC also known as Heating Ventilation and Air Conditioning. This is a technology of indoor and vehicular environment comfort. It consists of mainly three activities ventilations, heating and air conditioning. Its working is based on the principle thermodynamics, fluid mechanics and heat transfer. Our company provides excellent HVAC services in Dubai, UAE.

An air conditioning company, Incorporated in Dubai, UAE in 2015, owned by a HVAC professional with dynamic and strong future outlook to provide the best engineering services in the field of Mechanical. Today IDEAL PLUS is one of the leading HVAC service provider and the company also provides professional project management services, which is backed by qualified, dedicated and experienced engineering professionals.

We undertake projects for the supply and installation of central air conditioning unit, ductable split unit, chiller, package units, Pre insulated ducting, Galvanized iron ducting, MS ducting, SS ducting, Chilled water piping, insulation, CHW Pipe Flushing and maintenance work for air conditioning system. We majorly do the CHW pipe chemical flushing works in shopping malls, High rise towers, Pump Rooms, Villas & Restaurants.

Type of Chemicals we mainly used :-

- Water Bird.
- Water Engineering.
- Water Hygiene.
- Culligan.
- Corodex.
- Veolia.
- Metito.
- Green Water Treatment Solutions

Culligan®



Water Bird

Water Engineering Technologies FZC WE

WATER HYGIENE TECHNOLOGIES

MERITO

VEOLIA

GREEN WATER TREATMENT SOLUTIONS
greenwts.com



Corodex Trading

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Chilled water or cooling water system is mostly a closed system that requires strict monitoring and control of certain parameters. Water during circulation evaporates and it increases the suspended particle concentration, which in result creates scale formation and corrosion etc. Therefore the chemical treatment of any water system is very much necessary on regular basis. Otherwise whole system can be damaged or choked due to contamination's.

Before doing the chemical treatment of any water piping system the flushing is must. Flushing removes any solid particles or debris so that cooling water system remains clean. Below is a brief method statement for doing cleaning, flushing and passivation of closed loop water

1. Step 1: Cleaning and Flushing with clean Water

Fill the system with clean water and drain the water after 30 minutes of circulation. The water quality will be as per approved parameters. Keep the by pass valve open during this process.

2. Step 2: Flushing with Cleaning Chemical

Refill the system with clean water and add cleaning chemical in required quantities as per Specialist. Once the cleaning process is started, samples of solution shall be collected from various parts of the system to ensure the chemical solution has reached all parts of the system. Run the pump and circulate the water (with chemicals added) for a minimum period of 8 hours as per specialist supplier's recommendations. Keep the by-pass valve open during this process.

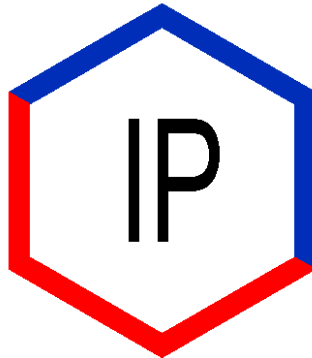
3. Step 3: Addition of corrosion & Scale Inhibitor

The entire chilled water system refilled with fresh & clean water and treated with corrosion & scale inhibiting treatment chemical. Run the pump and circulate the water for a minimum period of 8 hours as per the specialist supplier's recommendation. After that start the back flushing by close the supply valve to the system and open the return valve to the system then start the pumps and do the back flushing.

4. Step 4 : Addition of Bio-side for Biological Control

Biological control chemical shall be dosed at the agreed rate per cubic meter using the manual dosing spot.





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