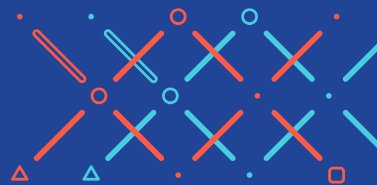
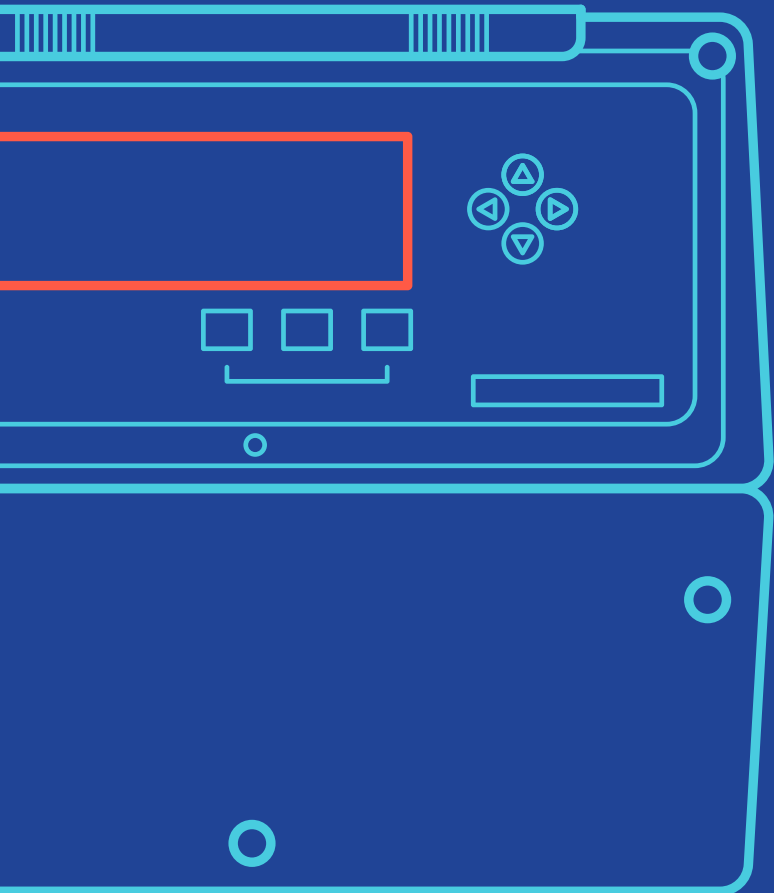
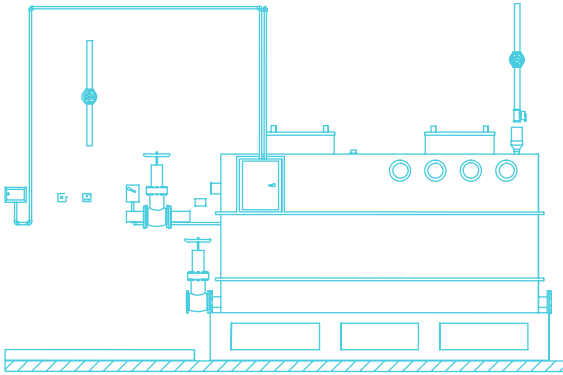


ENVIRONMENT LABORATORY IMPACT

MEDICAL WASTE COOLING TANK SYSTEM



GENERAL PROCESS DESCRIPTION OF THE MEDICAL WASTE COOLING TANK SYSTEM



For years, cooling tanks have been the trusted solution in the disposal of medical waste discharge. These tanks are constructed from FRP with lined with PVC in a Two Compartment system, which are custom built to withstand the unique rigours of the waste disposal process. The first compartment runs the Primary Dilution of the incoming wastewater while the second compartment runs the Secondary Dilution.

The wastewater flows continuously through the two compartments with the temperature programmatically adjusted to the requirements of the material being diluted.

Cooling tanks are designed to facilitate the dilution and neutralisation of harmful waste matter discharged from laboratories, industrial processes or other sources of pollution.

These tanks are also useful as equalisation systems for the cooling of polluted effluent destined for chemical treatment plants or municipal water treatment facilities, helping to reduce the burden placed on these plants. The wastewater treatment system is designed mainly for cooling which means raw untreated water may be used in this part of the process.

HAZARDOUS LIQUID MEDICAL WASTE

Medical Waste materials are DANGEROUS/HARMFUL to health and the environment and require special management, treatment and disposal. Medical Liquid waste consist of chemical, toxic, and or corrosive substances with water. Amongst the various source of hospital liquid waste are:



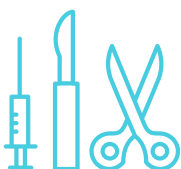
Pathology & History Laboratory



Mortuary



Clinical Lab Waste



Surgery & Emergency



Pharmacy



Chemotherapy

COOLING TANK SPECIFICATIONS



Model DTU 2000

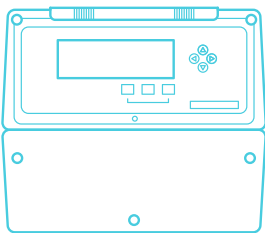
The transfer of water is monitored using the proximity switch level sensor. Vent valves are incorporated into the design to release any excess fumes. All these processes are monitored & controlled by the Electrical Control Panel. AUTOMATIC monitoring via sensor feedback and SCADA & BMS output provision is provided in panel. WEIGHT – 1 tonne without load and 4 tonnes with full load.



Model DTU 2000MCF

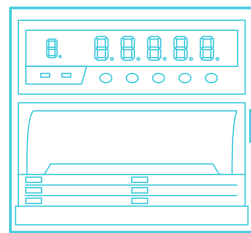
The transfer of water is monitored using the proximity switch level sensor. Vent valves are incorporated into the design to release any All these processes are monitored and controlled by the Electrical Control Panel. Also comes with Mixer AUTOMATIC monitoring via sensor feedback and SCADA & BMS output provided in panel. WEIGHT – 1 tonne without load and 4 tonnes with full load.

ACCESSORIES



Kontrol 800

Multi-parameters control instruments for industrial and water treatment application. High accuracy measure and friendly menu settings. RS485 port with ModBud RTU protocol for fully compatible remote data logging interface.



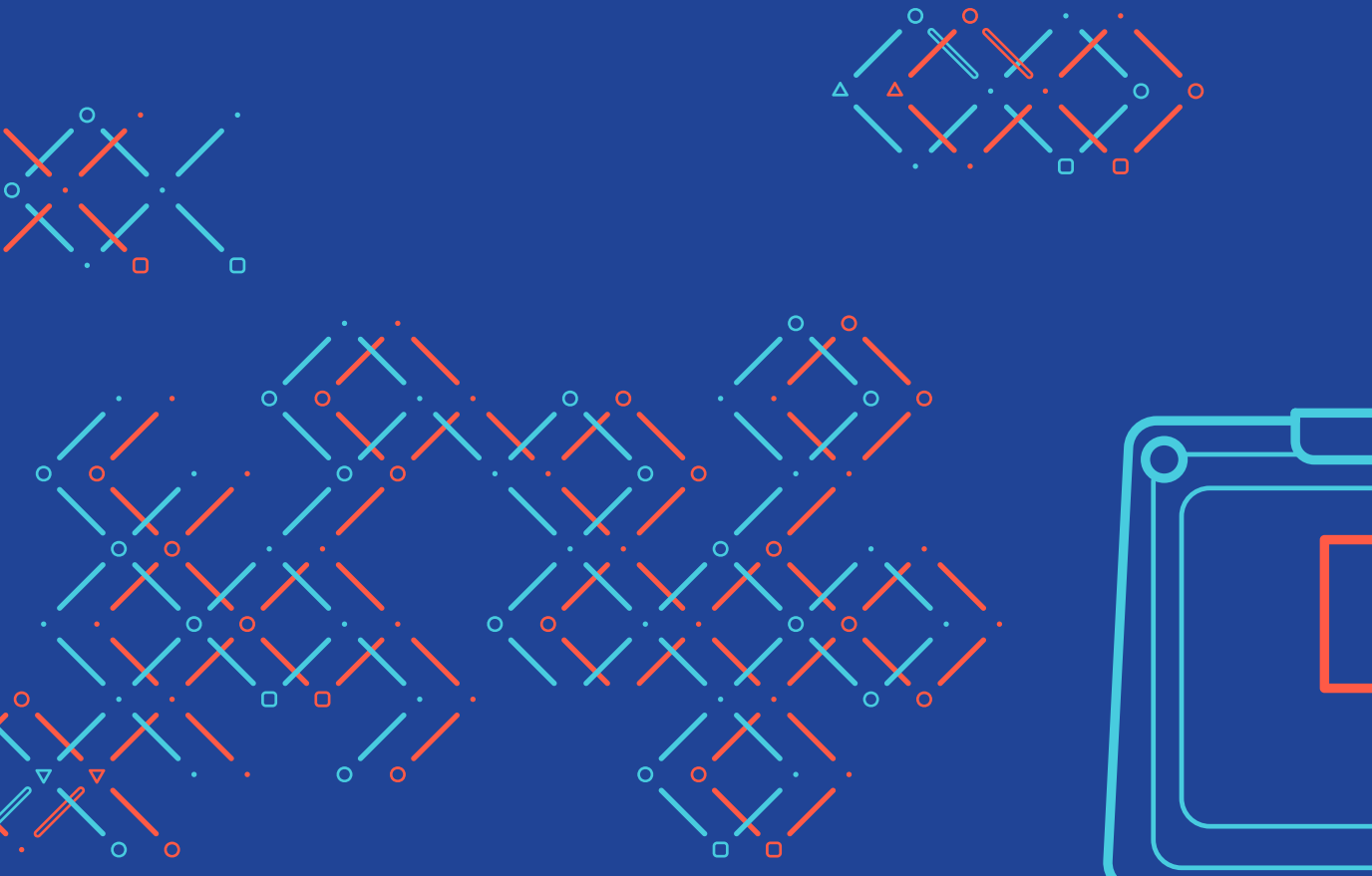
Recorder

Dotting style of 6-channel chart recorder with universal input, low-cost, short depth 150mm, light weight 1.5kgs and IP65 water resistance.

ABOUT ELI

ELI (Environment Laboratory Impact) provides consultation on clinical equipment specifications, site planning, manpower requirements, incident reporting, and comparative studies to institutions dealing with chemical, biological, and radioactive waste. We customise engineering solutions and communications management system to achieve a seamless and cost effective measures to our partners.

ELI aspires to deliver impeccable quality in design, supply, installation, test and commission, and maintenance for medical and science institutions, and has worked closely with diverse partners across a range of industries to deliver astounding results.



Environment Laboratory Impact Services Pte Ltd

Blk 7, Kallang Place,
#02-10 Singapore 339153

T. (65) 6745 0593
(65) 6745 0693
E. info@eli.com.sg

WWW.ELI.COM.SG

