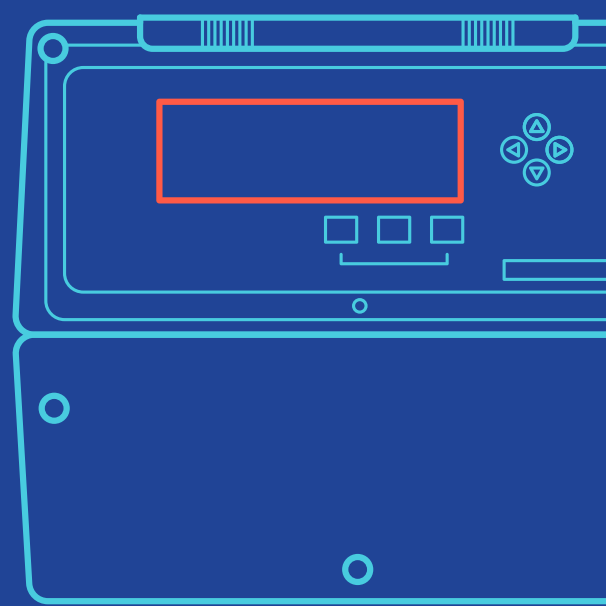
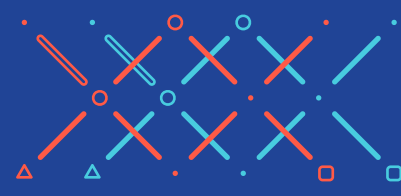


ENVIRONMENT LABORATORY IMPACT

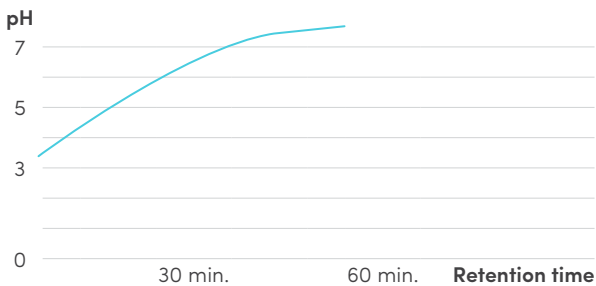
MEDICAL WASTE LIQUID DILUTION TANK SYSTEM



GENERAL PROCESS DESCRIPTION OF THE MEDICAL WASTE WATER DILUTION SYSTEM

Dilution tanks have years' long track record in handling tough effluents. The tanks are constructed from FRP with PVC lining (Two Compartment system) which are able to withstand the effects of the waste discharged into the dilution tank. The first compartment involves Primary Dilution of the incoming waste water. The second compartment involves the Secondary Dilution. The waste water flow is continuous and flows through the two compartment with the required dilution water according to its pH levels.

Dilution tanks are designed to facilitate the dilution and neutralisation of harmful waste matter that may be discharged from laboratories, industrial processes or other sources of pollution. These tanks are also useful as equalisation tanks for diluting polluted effluent destined for chemical treatment plants or municipal water treatment facilities, helping to reduce the burden placed on these plants. The waste water treatment system is designed mainly for dilution. As such, raw water is used in this process.



Neutralization is a slow process. Retention times of more than 45 minutes will normally achieve safe pH levels and optimum neutralization 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:



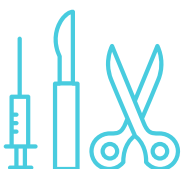
Pathology &
History Laboratory



Mortuary



Clinical Lab
Waste



Surgery &
Emergency



Pharmacy



Chemotherapy

DILUTION TANK SPECIFICATIONS



Model DTU 2000

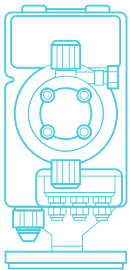
The transfer of water is monitored using the proximity switch level sensor. Vent valves are incorporated into the design to release any excess fumes. All these processes are monitored & controlled by the Electrical Control Panel. AUTOMATIC monitoring via sensor feedback and SCADA & BMS output provision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



Model DTU 2000MCF

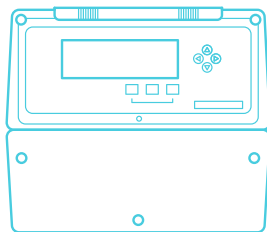
The transfer of water is monitored using the proximity switch level sensor. Vent valves are incorporated into the design to release any All these processes are monitored and controlled by the Electrical Control Panel. Also comes with Mixer AUTOMATIC monitoring via sensor feedback and SCADA & BMS output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

ACCESSORIES



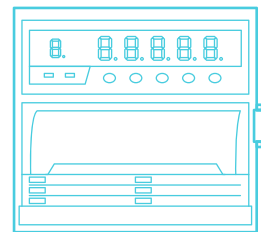
Dosing Pump

The innovative Tekna EVO series electronic-metering pumps is a result of our close partnerships with our customers worldwide. These multifunctional metering pumps maintain the high quality and dependability that is synonymous with SEKO quality.



Kontrol 800

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



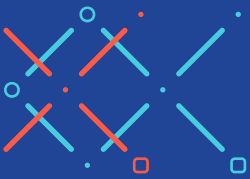
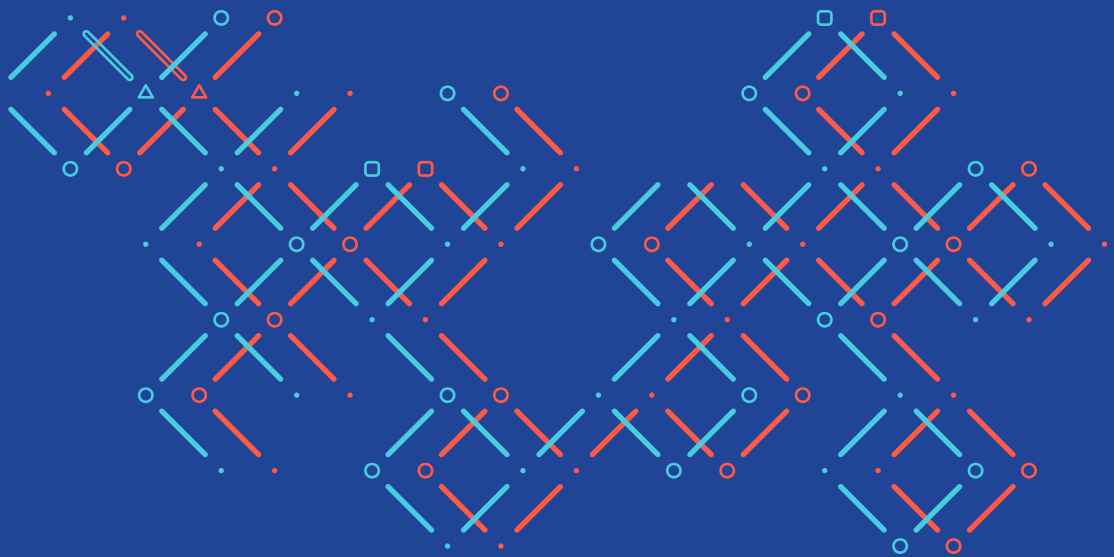
Recorder

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.



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