

SPECIALITY CHEMICALS:

We offer a wide range of chemicals to specifically meet customer needs. PECPL is the authorized dealer of Kimberlite Plus Water Treatment chemicals.

Our chemicals are

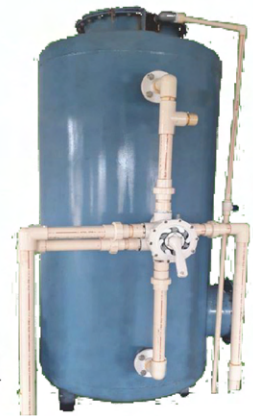


- Pretreatment chemicals : Coagulant, anionic and cationic flocculant, defoamer
- Cooling tower chemicals : Scale and corrosion inhibitor, biodispersant, biocide
- RO chemicals : Antiscalant, membrane biocide, membrane cleaner
- Boiler chemicals : Oxygen scavenger, filming & neutralizing amine, pH booster.

FILTERS:

We design and manufacture different types of filters such as Pressure Sand Filter (PSF), Activated Carbon Filter (ACF), Dual Media Filter (DMF) and Micron Cartridge Filter (MCF) by understanding the specific need for filtration and expectations from the client.

We design filters for the range of 1-500 m³/hr with different MoCs such as Mild Steel with Epoxy coated (MSEP), Mild Steel with Rubber Lined (MSRL), Stainless Steel (SS) and Fibre Reinforced Plastic (FRP).



SOFTENER:

Softeners are used when it is only required to remove / reduce hardness and not the entire dissolved solids present in the water. We provide auto regeneration system which ensures the regeneration after fixed running hours or fixed quantity of treated water.

RO & UF MEMBRANES:



We supply 'TORAY' make RO & UF membranes. 'TORAY' is the Japanese manufacturer of membranes since 1967 and world's largest manufacturer of membranes.

We have 4 distinguished class of RO membranes such as Brackish water :

- For low TDS water (2000-5000 mg/L)
- Low fouling : For water with high fouling tendency
- Sea water : For high TDS water (>5000 mg/L)
- Speciality : For applications such as food, dairy, pharmaceuticals etc

TORAY's PVDF hollow fiber OUT - IN UF membranes provide high filtration flux with high mechanical strength and chemical durability which can effectively remove suspended solids and microorganisms.



DM PLANT:

It is used to remove complete dissolved solids present in the water. We can supply DM plant having capacity from 10 m³/day to 1000 m³/day, and we can supply completely auto operated DM plants.

SCREW PRESS:

It is the best alternative for plate & frame filter press, belt press and decanter centrifuge considering the ease and cost of operation. It is able to run continuously and automatically to dewatering sludge up to 15% to 25% of outlet consistency. With this equipment, Sludge Thickening Tank and Filter Press can be removed. Hence, reduced footprint and less manpower needed for cleaning dewatering equipment and discharge of sludge. It can be supplied from 0.5 - 50 m³/hr of slurry feed capacity and can be used for any type of slurry.

Different sizes of screw press and their details are as per below

Inlet flow in m ³ /hr @1% consistency	Screw diameter in mm	Electrical load (HP)	Dimension in m (L x W x H)	Rinse water required (L/hr)
1.5	1 x 110	0.5	2.1 x 0.75 x 1.1	30
3.0	2 x 110	0.75	2.1 x 1.05 x 1.1	60
6.0	1 x 210	0.75	3.05 x 0.9 x 1.8	40
9.0	1 x 255	1.25	3.4 x 1.0 x 2.1	100
12.0	2 x 210	1.25	3.05 x 1.4 x 1.8	80
18.0	2 x 255	2.0	3.4 x 1.55 x 2.1	200
25.0	1 x 350	2.0	4.1 x 1.1 x 2.2	200
50.0	2 x 350	3.5	4.1 x 1.6 x 2.2	300





FINE BUBBLE DIFFUSERS:

We supply fine bubble diffusers required for aeration with different materials like EPDM, PTFE+EPDM, EPDM++ and Silicone (Pt cured) and High Temperature Polyurethane which can give membrane life of 5 years. We supply tubular fine bubble diffusers of different sizes such as 65 x 610mm, 65 x 1000mm and 90 x 1000mm, and disc diffusers with dia of 270mm and 350mm.

COARSE BUBBLE DIFFUSERS:

It is most often applied for low oxygen requirement biological treatment and for mixing of water. Available different MoCs are PVC, SS304 and SS316.

LAB CHEMICALS:

We offer wide range of LR and AR grade chemicals including calibration standards and AAS standards of Molychem make.

WATER TEST KITS:

Our portable water testing kits can be used anywhere anytime for accurate measurement of water parameters such as pH, hardness, chloride, alkalinity, heavy metals, free chlorine, nitrite and nitrate, silica, sulphate. We also provide testing kits to check microorganism presence such as bacteria, algae in water.

CHEMICAL DOSING SYSTEM:

We supply dosing systems for dosing of acids, alkali, coagulant, flocculant, cooling tower and boiler chemicals. We automate the dosing of acid and alkali based on the pH which helps to optimize the chemical consumption and maintain desired pH in water at any point of time.



FILTER MEDIA:

It is used in the sand filters, carbon filters and sludge drying bed. We have all types of filter media such as sand, silex, carbon, anthracite, gravel and pebble. Sizes and specifications available are

	Size in mm
Fine sand	0.5 - 1
Coarse sand	1 - 2
Fine silex	1 - 2
Coarse silex	3 - 6, 10
Carbon (Iodine value > 900 mg/g)	0.5 - 2
Gravel	3 - 6, 6 - 12, 12 - 25
Pebble	25 - 40, >40

OUR CLIENTS



OUR COLLABORATION



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