



TRUST OUR EXPERIENCE
TO IMPLEMENT THE RIGHT SOLUTIONS

CENTRIFUGE SEPARATORS

PAINT SLUDGE REMOVAL SYSTEMS

CHEMICALS & ADDITIVES

SOLVENT RECOVERY SYSTEMS

WATER & WASTE WATER TREATMENT



... caring for the environment

PRODUCTS

Centrifuge Separators

- One of the most efficient ways to separate two media of different densities is by the use of Centrifuge Separators
- The Separator spins the media at high speed and thus creates a strong force causing the denser materials to separate out more rapidly
- Even difficult media is reliably cleared of particles or secondary liquid phases
- The Separators prove to be extremely cost-effective as no consumable filters are required; no clogging
- Fines up to 5 microns and below are removed at a very high efficiency; efficient dewatering
- Compact and closed loop system; no pollution
- Semi-automatic as well as fully Automatic Separators available



Paint Sludge Removal Systems

- Paint sludge in suspension is removed efficiently and clean water is put back into circulation
- Sludge can be removed from single as well as multiple paint booths and sludge pits
- Paint sludge is dewatered, thus reducing sludge weight and disposal costs
- Concentration of noxious substances in air is reduced, hence reduction in pollution
- Paint Booth water requirement is reduced. Changing frequency 12 months. Less chemicals required
- Paint Booth maintenance cost is reduced by nearly 90%.
- Completely automatic systems



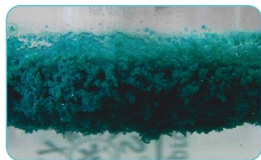
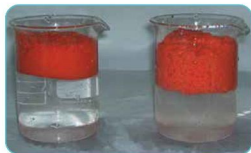
Water & Waste Water Treatment

- Continuous Physical-Chemical Waste Treatment Plants
- Batch Type Waste Water Treatment Systems
- Biological Water Treatment Plants
- Oil Separators
- Water Treatment Systems
- Filtration Systems
- Vacuum Evaporation Systems
- Sludge Driers



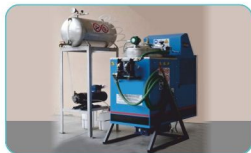
Chemicals & Additives

- **Coagulants** are for the self-cleaning of the circulating water in paint booths. The dosage is carried out in an area of high turbulence (e.g. near re-circulation pump) for good mixing and improvement in coagulation and flotation.
- **Flocculants**, effective in clarifying industrial wastewater and used in thickening, sedimentation and floating process of organic & inorganic sludge. They increase speed of flotation, improve clarification and increase dehydration of sludge.
- **Antifoam Agents**, non-silicon type based on fatty/polyglycol acid ester oil. Used in all processes where compact foam formation occurs.
- **Bactericides** are formulated to be applied to fermentable aqueous effluents that produce bad smell during transfer and/or aeration. They cover up very effectively the residual odours.



Solvent Recovery Systems

- By means of a simple distillation process the original nature of the used solvents is restored, by separating the polluting substances such as paints, resins, inks, oils, greases, etc.
- The solvent recovery unit allows restoring and consequently reusing the commercial solvents.
- The regenerated solvents are then collected outside the unit. The polluting substances remain, as distillation residues, in the recovery unit.
- The regenerated solvents are used for the washing operations of the working equipment.
- Models available from 300 liters per month capacity onwards.
- Units confirm to stringent international safety standards.
- Boiling Range 50-160°C.



APPLICATIONS

- | | | |
|---------------------------|----------------------------|----------------------------|
| ➤ Paint Sludge Removal | ➤ Phosphate Sludge Removal | ➤ Oil Cleaning |
| ➤ Coolant Cleaning | ➤ Water Treatment | ➤ Waste Water Treatment |
| ➤ Glass Fines Separation | ➤ Biological Treatment | ➤ Solid-Liquid Separations |
| ➤ Degrease Sludge Removal | ➤ Solvent Recovery | ➤ Sludge Dewatering |

INSTALLATIONS



ABOUT US

Aquarius Engineering Consultancy Pvt. Ltd. (AECPL), a part of the AQUARIUS GROUP, was started as Aquarius Engineers in 1981.

AECPL operated as an industrial consultancy organization. Growing further with the industrial consultancy services, AECPL has expanded into the field of Clean Environment Systems. Aquarius takes pride in its state-of-art factory based near Pune.



Today, AECPL is widely recognized as a knowledge based company providing state-of-art technology solutions in the Water & Waste Management and Surface Coating field.



Aquarius Engineering Consultancy believes in a shirt sleeve approach, working closely with customer's personnel. It has led to a better understanding of the facts and the most apt application of the data and technology.



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