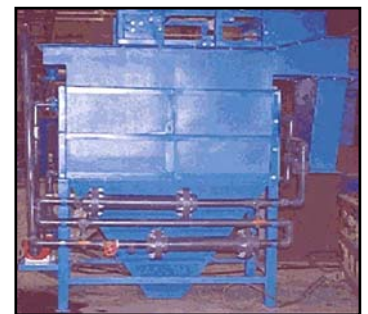


Proton supplies systems to pre-treat, treat or polish waste water by way of flotation, a method applicable to most industrial effluents. All our physical chemical systems include a coagulation, neutralization and flocculation phase to convert the high percentage of suspended solids, BOD's and COD's into an insoluble form to separate the oils and greases present in the water. Once the water has been flocculated it is fed to separator phase of the DAF.

In the D.A.F. (DISSOLVED AIR FLOTATION), air in the form of micro bubbles is incorporated with a fraction of treated water to obtain an air water mixture which is then mixed with the flocculated inlet water and fed to the flotation cell. The buoyancy obtained by the small bubbles rises the flocks to the water surface forming sludge that is thickened at the same time by the same air that is rising to the top. Once floated, a scraper withdraws the sludge to a hopper placed to one side of the DAF.

Our DAF systems can be fabricated in different materials such as stainless steel, polyester reinforced fiber glass, concrete or carbon steel depending on the application.

These systems are applicable in industries such as food processing, edible fats and oils, petrochemical, beverages, poultry, slaughter-houses, metal industry, inks and papers, ceramic and mineral industries, milk processing facilities, fish processing, chemical, pharmaceuticals and many others.



FLOW DIAGRAM - DAF

