Airlift Based Biofloc Aquaculture System (ABAS-24)

A Technology developed and Commercialized by Division of Aquaculture, ICAR-CIFE, Mumbai

Marketed by Plastic Crafts Corporation, Vile Parle, Mumbai

TECHNOLOGY INVENTORS

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Brief about technology

ABAS-24 effectively prevents sludge accumulation and ensures optimal dissolved oxygen levels within the culture system. (Note: Sludge build up is a prevalent issue in traditional biofloc systems, which negatively impact water quality and fish health, often result in the failure of the culture operation.) Additionally, ABAS-24 effectively maintains key water quality parameters such as unionized ammonia, nitrite, biological oxygen demand (BOD), dissolved CO_2, total suspended solids (TSS), pH, and temperature within the ideal ranges required for a successful biofloc aquaculture operation. It further serves as a protein skimmer through foam fractionation and assists in the removal of dissolved CO_2 from the culture environment. More importantly, fish growth and overall health are significantly enhanced in the ABAS-24 system compared to traditional biofloc systems.