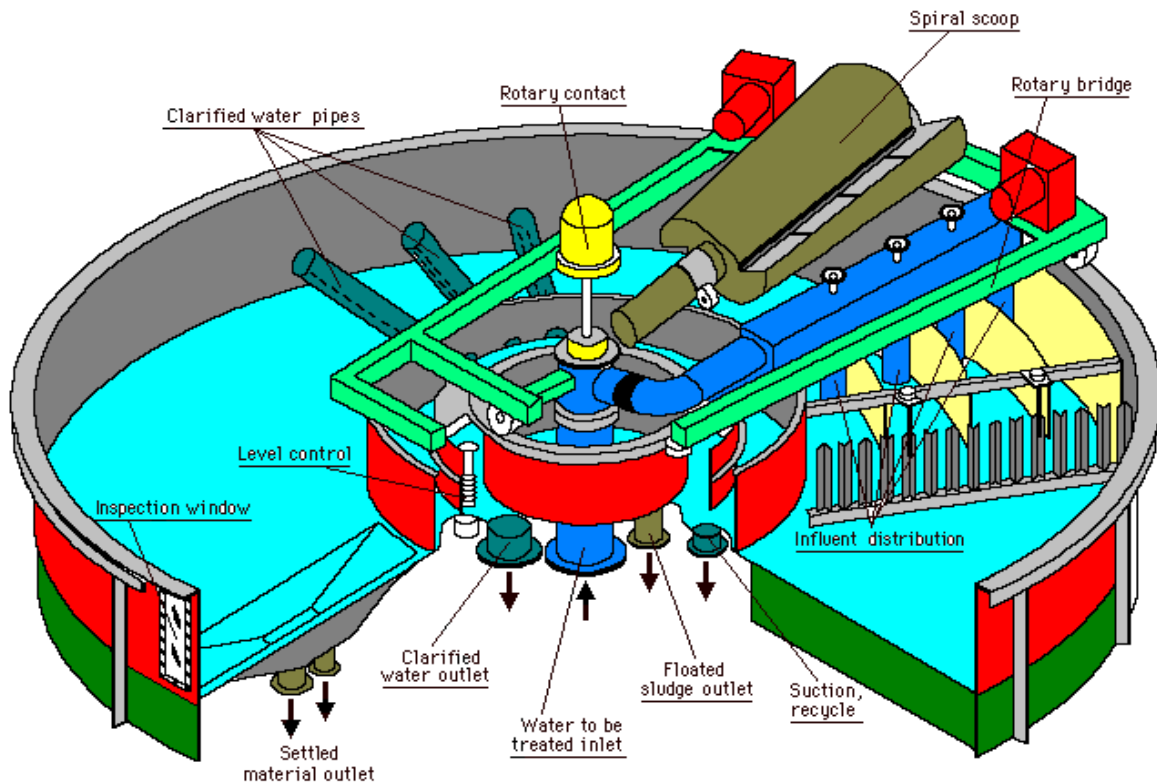


BIOFLOT-FLOTATION SYSTEMS FOR PERFECT REMOVAL OF SOLIDS

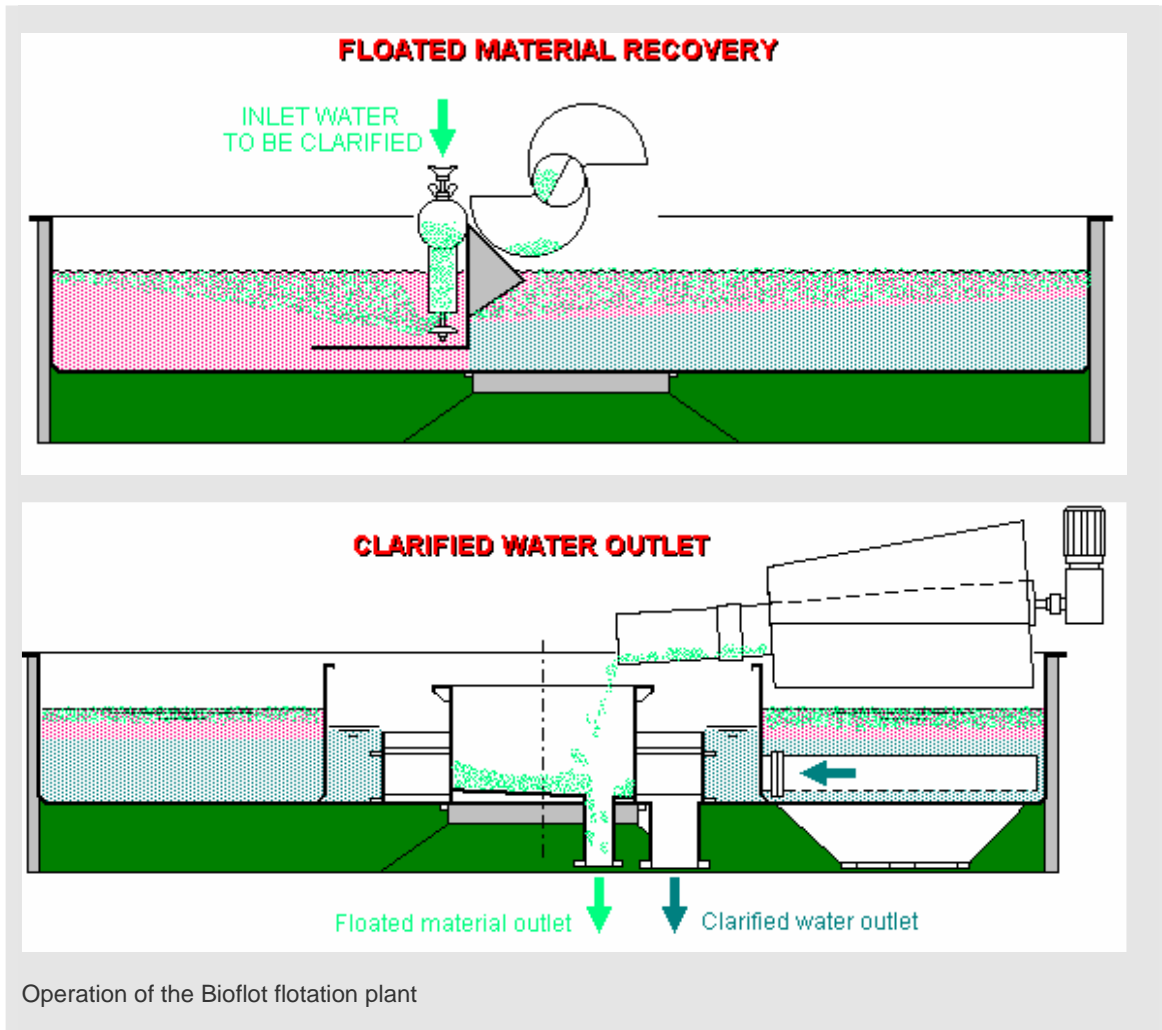
SHORT OPERATION DESCRIPTION



THE “ZERO VELOCITY” PRINCIPLE OF OPERATION

The **BIOFLOT BF** removes solids by means of air flotation and sedimentation. Turbulence caused by water movement is a very important factor in flotation and greatly reduces the efficiency of other types of flotation units. In conventional, stationary units, there must always be water movement in order for the water to flow from inlet to outlet. With the **BIOFLOT BF**, the inlet and outlet are not stationary but are rotating about the center. The rotation is synchronized so

that the water in the tank achieves “**ZERO VELOCITY**” during flotation. This means that the efficiency of the flotation is greatly increased to near the maximum theoretical limits. In practical terms, this allows better clarification in smaller surface areas and in a much shallower tank. The open tank has an approximate depth of 460 mm. Water is processed from inlet to outlet in two to three minutes.



Operation of the Bioflot flotation plant



Example for a flotation plant (paper mill)