

The invention relates to the agricultural and food industries, in particular to plants for the production of feed preparations, and can be used to intensify food microalgae cultivation processes.

The electroflotation plant for thickening of fodder microalgae suspensions comprises a body (1), made with conical bottom, with a suspension withdrawal branch pipe (4), a container (9), fixed to the lower part of the body (1), made of diamagnetic material in the form of a cylinder with reticulate bottom (10), which communicates with a suspension supply pipeline (11) with branch pipe (3) and on which is placed a gummed spherical magnetic charge (12), at the same time on the outside of the container (9) is fixed a solenoid (13), connected to an alternating-current source (14). The plant further comprises a vessel (5) coaxially placed inside the body (1) with the possibility of forming an annular space between them, inside which is placed an electroflotation block (6) with flanges (7, 8), and in the lower part of which is placed a main reticulate electrode block (15), connected to a constant-current source (16), at the same time inside the block (6), coaxially to it, is placed a foam discharge pipeline (18), the upper end of which is made in the form of a funnel (19), and the lower end communicates with a defoaming container (20). The plant also comprises an auxiliary reticulate electrode block (21), fixed between the vessel (5) and the block (6), in the upper part thereof, and connected to the constant-current source (16), at the same time on the upper part of the auxiliary reticulate electrode block (21) is fixed a foam removal device (22).

Claims: 3

Fig.: 1

