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The invention relates to slot electrolyzers and can be used in the dairy industry for protein extraction from whey.
The electrolyzer, according to the invention, comprises a dielectric body (1) with a hollow shaft (13), on which are fixed radial pipes (16), with cathode and anode chambers (2, 3), electrodes (5, 6), connected to a current source, with anodic liquid and whey inlet (8 and 10) and outlet (9 and 11) valves, and to a cooling jacket (19). On the sides of the body (1) are fixed collectors (12). The body (1) is made with slots (7), on the inner surface of which is installed the cathode (5). Inside the body (1), on the hollow shaft (13), is placed a semi-cylindrical carcass (14) with slots (15), on the outer surface of which is installed the anode (6). Between the cathode (5) and the anode (6) is placed a heterogeneous membrane (4) in the form of a semi-cylindrical band. The surface of the anode (6) and the membrane (4) form the anode chamber (3), and the surface of the cathode (5) and the membrane (4) form the cathode chamber (2).

Claims: 1
Fig.: 3