

## ABSTRACT

The invention relates to a method the filtering a liquid (2) in a membrane filter (64) immersed in the liquid (2) and including membranes (76), the method comprising:

5 introducing a gas (1) through a gas introduction device (63) into a base of the membrane filter (64) in successive pulses so that the membranes (76) are cleaned; and initially filling a gas volume (6) arranged below a surface (4) of the liquid (2) and defined in a downward direction by a level (5) of the liquid (2) with the gas (1) wherein the gas (1) simultaneously displaces the liquid (2) from a top down from a

10 gas lifting channel (14, 70) until the level (5) drops below an inlet cross section (12, 72) of a gas flow out channel (13, 73); and subsequently flowing the gas (1) out of the gas volume (6) downward through the gas lifting channel (14, 70), a deflection portion (11, 71) adjoining at a bottom of the gas lifting channel, in upward direction through the inlet cross section (12, 72) and through the gas flow out channel (13,

15 73) adjoining the inlet cross section (12, 72) at a top and flowing the gas to the surface (4), characterized in that a housing (80) laterally develops the membrane (76) and adjoins the gas introduction device (63) on top. The invention also relates to a filter device (84), comprising a membrane filter (64) for filtering a liquid (2), the membrane filter including membranes (76) and a gas introduction device (3, 63)

20 arranged below the membranes (76) for performing the method. The object of the invention is to improve the cleaning effect of the introduced air. The object is achieved by a housing (80) which laterally surrounds the membranes (76) and

which is connected to the gas introduction device (63) at a top of the gas introduction device.

Figure 2 accompanies.