

Title (en)  
DEVICE AND METHOD FOR PRODUCING A SOLUTION

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER LÖSUNG

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE PRODUCTION D'UNE SOLUTION

Publication  
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Application  
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Abstract (en)  
[origin: WO2017036589A1] The invention relates to a device (1, 1', 1", 1"', 1''') for producing a solution of at least one liquid first medium and at least one additional second medium, comprising a first container (2, 2", 2''') for the liquid first medium and a second container (3, 3") for the second medium. Each container (2, 2", 2''', 3, 3") is connected to a supply line of a static mixer (9) via a pump (4, 5) which can be regulated by a process controller (6). The device also comprises a sensor device (10), which is connected to the process controller (6) and is arranged downstream of the static mixer (9) in the flow direction, and a branching valve (17), which is arranged downstream of the static mixer (9) in the flow direction and which can likewise be controlled by the process controller (6). A sterile filter (11) is arranged downstream of the static mixer (9) in the flow direction, and the sterile filter (11) has an RFID tag (15). The RFID tag (15) stores process-relevant data which can at least be read by the process controller (6). The invention further relates to a method for producing a solution from at least one liquid first medium and at least one additional second medium using a device (1, 1', 1", 1"', 1''') according to one of the claims 1 to 10, wherein the following steps are carried out: a) reading and checking the process-relevant data stored in the RFID tag(s) (15) using the process controller (6), b) releasing and starting the mixing process, c) monitoring the mixture parameters using the sensor device (10) and regulating the mixture ratio using the process controller (6) via the pumps (4, 5, 20), and d) releasing the solution in the event of a sufficient quality, or e) discharging the solution into a branching line (23) via the branching valve (17) if the quality is insufficient.

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