

Title (en)

CROSS FLOW FILTRATION SYSTEM AND METHOD FOR LOCATING DEFECTS

Title (de)

QUERSTROM-FILTRATIONSANLAGE UND VERFAHREN ZUR FEHLERORTUNG

Title (fr)

INSTALLATION DE FILTRATION A COURANT TRANSVERSAL ET PROCEDE DE LOCALISATION DE DEFAUTS

Publication

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Application

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Abstract (en)

[origin: WO03086593A1] The invention relates to a cross flow filtration system comprising at least one filtering element (1) to which a substance mixture from a product tank (2) is supplied via a supply line (3). Rinsing water from a rinsing water tank (14) can also be supplied to the filtering element (1). According to the invention, a supply line check valve (28) is mounted before the entry of the supply line (3) into the filtering element (1), and a compressed-air line (25) leads into the filtering element (1) on the entry side while being able to be blocked by a compressed-air check valve (26). The retentate or rinsing water can be forced out of the filtering element (1) by compressed air by closing the supply line check valve (28) and opening the compressed-air check valve (26). Air enters the secondary circuit of the filtering element (1) when the filtering element (1) has a leak. It is then easy to notice the location on the filtering element (1) air from which air exits whereby enabling the defect to be localized. The invention renders the maintenance and repair of a defective filtering element (1) very simple.

IPC 1-7

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