shaped gaskets. The conical surface of the gasket interacts with a complementarily formed surface of a lid of the membrane module.

[0009] The object of the present invention is to form a membrane module in such a way that a reliable separation of the filtrate and unfiltrate is ensured even with thermal expansion of different materials and that this can be achieved by a simple installation without damage or slippage of the gasket. In addition, the membrane module is produced in a cost-effective manner.

[0010] According to the invention, the object is achieved by a filtration means with the features of claim 1 and a process having the features of the other independent claim. Advantageous refinements are specified in dependent claims.

[0011] The present invention is based on the idea to create a new type and mode of action of a sealing for the filtration means. Upon interaction of the conical surface of the flange which is part of said at least one filter element, with the complementarily formed surface of the gasket, the filter element is securely fixed in the housing for operation, and a slippage of the filter element in the housing and damaging the gasket during installation is avoided. In doing so, a reliable separation of the filtrate from the unfiltrate is realized without any possible accumulation by microorganisms. The invention is independent of the use of round or flat membranes as the filter element, as well as independent of the number of filter elements in the housing. The housing and the filter element or filter elements are preferably designed in a circular cylindrical cross-section; however, they can also be configured polygonally.

[0012] Preferably, the gasket has an inwardly extending lip portion which covers the flange at least partially. Through this measure, the area of a sealing area between

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[0010] The present disclosure provides a filtration means for the filtration of liquid media having a housing and at least one filter element arranged in said housing, wherein said at least one filter element at at least one axial end has a laterally outwardly extending flange, which is connected to said housing forming a seal, characterized in that flange has a radially inner cylindrical surface and a conical surface projecting outwardly which interacts with a complementary conical surface of a gasket, the gasket being arranged between said flange and said housing, wherein the smaller flange diameter is arranged axially outwardly and the larger flange diameter is arranged axially inwardly, and wherein an outer surface of the gasket is cylindrical, and wherein the housing radially surrounds the filter element.

[0010A] The present disclosure also provides a process for manufacturing a filtration device according to any one of the preceding claims, having the following process steps: a) applying a plastic casting material around a first end portion of at least one of said filter element with which at least one of said filter element is encased and generating at the same time said flange in the area of the first end portion; b) curing said casting material; c) repeating the process steps a) and b) at a second end portion of at least one of said filter element thereby generating a second flange at said second end portion; d) arranging a first resilient gasket at the inner periphery in the interior of said housing at a first end, which is formed complementary to the conical circumferential surface of said first flange on its side facing said first flange; e) pushing said housing together with said first gasket over at least one filter element, so that said conical circumferential surface of said first flange interacts with said conical circumferential surface of said first gasket; f) inserting at a second, opposite end of said housing a second resilient gasket on said second flange, wherein said second gasket is formed complementary to said conical circumferential surface of said second flange on its side facing said second flange; g) fixing said clamp on the exterior of said housing, wherein said second gasket is impinged by said clamp axially, preferably, resiliently.

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