

Title (en)  
MEMBRANE PUMP

Title (de)  
MEMBRANPUMPE

Title (fr)  
POMPE A DIAPHRAGME

Publication  
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Application  
**EP 00949341 A 20000714**

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Abstract (en)  
[origin: WO0114744A1] The invention relates to a membrane pump (104) comprising a working membrane (1) that delimits a delivery chamber (2), and comprising an additional membrane (3) that is arranged on the side of the working membrane (1) facing away from the delivery chamber (2). The inventive membrane pump also comprises a membrane space (4) provided between the working membrane (1) and the additional membrane (3), and comprises a pump drive for effecting an oscillating movement of the working membrane (1) and of the additional membrane (3) in the same direction, whereby the membrane space (3) is connected to at least one suction channel (7) for relieving pressure from the membrane space (4). The inventive membrane pump (104) is characterized in that the membrane space (4) is pneumatically connected to the suction side of said membrane pump (104) via the at least one suction channel (7). The inventive membrane pump (104) is also characterized by having a high suction capacity without causing the elastic working membrane (1) to bulge during the suction phase.

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