

Title (en)

DIAPHRAGM PUMP AND DEVICE FOR CONTROLLING SAME

Title (de)

MEMBRANPUMPE UND VORRICHTUNG ZUR STEUERUNG DERSELBEN

Title (fr)

POMPE A MEMBRANE ET DISPOSITIF POUR REGULER CETTE DERNIERE

Publication

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Application

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Abstract (en)

[origin: US6554578B1] The invention relates to a diaphragm pump with a device for controlling the position of a diaphragm separating the conveying chamber from the displacement chamber. As a replacement of the mechanical control of the refilling process, a pressure sensor is arranged in the displacement chamber, which is connected with an evaluation unit designed for generating a refill signal, which is switched so it actuates a refill valve through an operative connection. Advantageously, a second sensor for detecting the piston travel is provided, whose signal is linked with the signal from the pressure sensor. The invention furthermore relates to a method for controlling the position of a diaphragm.

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