

Title (en)
DISPLACEMENT PUMP WITH FORCED VENTILATION SYSTEM

Title (de)
VERDRÄNGERPUMPE MIT ZWANGSENTLÜFTUNG

Title (fr)
POMPE VOLUMÉTRIQUE AVEC SYSTEME DE VENTILATION FORCEE

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Application
EP 13709872 A 20130312

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Abstract (en)
[origin: WO2013135681A1] The present invention relates to a displacement pump comprising a delivery chamber, which is connected to a pressure connection and a suction connection, a displacement element determining the volume of the delivery chamber, said element being able to be moved backwards and forwards between a first position in which the delivery chamber has a smaller volume and a second position in which the delivery chamber has a greater volume, wherein the pressure connection is connected to the delivery chamber via a pressure valve and the suction connection is connected to the delivery chamber via a suction valve. According to the invention, in order to provide a displacement pump that can be manufactured simply and inexpensively and simultaneously reliably provides a degassing function, which enables downtimes to be reduced and the reliability of the delivery process to be enhanced, a backflow channel connects the delivery chamber and pressure connection when the pressure valve is closed, via which pressure connection the medium can enter the delivery chamber and/or gas can escape from the delivery chamber.

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