

Title (en)  
PISTON PUMP

Title (de)  
KOLBENPUMPE

Title (fr)  
POMPE À PISTON

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Abstract (en)  
[origin: WO2007147693A2] The invention relates to a piston pump for conveying fluids, comprising a piston (2) and a pressure chamber (3) located between an intake valve (4) and a discharge valve (16). The intake valve (4) is arranged between the pressure chamber (3) and a low-pressure zone (20) of the piston pump while being provided with a valve body (5), a closing element (6), a device (8) for preloading the closing element (6), and a device (10) for fastening the intake valve to the piston (2). The fastening device (10) encompasses at least two fastening elements (11, 12, 13, 14) which protrude from the valve body (5) in the direction of the piston (2), are positioned at a distance from one another, and are fitted with inlets (15) therebetween for supplying fluid. The invention further relates to a piston pump comprising an intake valve without a spring-biased element.

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