

Title (en)

SELF-PRIMING ROTARY PUMP, PARTICULARLY FOR BRINGING LIQUIDS TO THEIR BOILING POINT

Publication

EP 0045483 B1 19831123 (DE)

Application

EP 81105972 A 19810729

Priority

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Abstract (en)

[origin: ES8206774A1] The invention relates to a centrifugal pump having a first centrifugal pump stage (2), which is located on the suction side and is not self-priming, and having a pump inlet nozzle (6), which is located axially at the level of the horizontal shaft (1), and having at least one centrifugal pump stage (3), which is located downstream and which, operating with the aid of auxiliary liquid, is self-priming. According to the invention, the self-priming capability and reliability of the pump, in particular for conveying media in the vicinity of their boiling point, are improved by arranging a liquid reservoir (13), of sufficient size, between two pump stages, the connection from this reservoir to the preceding centrifugal pump stage being located in the geodetically upper portion of the reservoir, and a seal (16) for closing the shaft clearance being located between the liquid reservoir (13) and the preceding centrifugal pump stage.

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Cited by

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