

Abstract:

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Centrifugal pump for conveying a fluid

A centrifugal pump for conveying a fluid is proposed, with a housing (2), having an inlet (3) and an outlet (4) for the fluid, with an impeller (5) arranged in the housing (2) for rotation in an axial direction (A) in order to convey the fluid from the inlet (3) to the outlet (4), with a shaft (6) extending in the axial direction (A) for driving the impeller (5), as well as with a stationary guide device (7) for guiding the fluid from the impeller (5) to the outlet (4), which guide device (7) is connected to the housing (2), wherein a resilient compensating element (10) is provided between the housing (2) and the guide device (7), which compensating element is arranged around the shaft (6) and which can hold the guide device (7) in a centered position to the impeller (5) during a radial relative movement to the housing (2).

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(Fig. 1)

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