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The invention relates to the pump engineering in particular to the offtakes of the rotodynamic pumps.

The offtake contains a spiral case, a diffuser channel, the inner surfaces of which form a tongue, as well as a conic discharge pipe. Novelty of the invention consists in that the inner surfaces of the spiral case and of the diffuser channel, forming the tongue, intersect in longitudinal section in a point situated onto the pitch circle of the case spiral, the tongue surface from the diffuser channel end being made tangential to the pitch circle.

The result of the invention consists in reducing the hydraulic loss into the offtake and in increasing the efficiency of the pump.

Claims: 2

Fig.: 3