

The invention relates to the mechanical engineering, in particular to the pump engineering.

The sealed centrifugal electric pump, according to the first variant, includes a body 1, provided with a cover 13 with opening and with inlet 4 and outlet 5 branches. Into the body 1 there are placed an impeller 3 mounted onto the shaft 2 and an electric motor 6, into the stator 8 bore of which there is installed a sealing muff 9, separating the stator 8 from the cavity 10 of the rotor 7, mounted onto the shaft 2 installed in bearing units, each of which includes a cylindrical bush 11 and a bearing 12. Novelty consists in that the cylindrical bushes 11 of the bearing units are made elastic, at the same time each of them is placed into the cavity 10 of the rotor 7 so that its outer lateral surface comes in contact with the inner lateral surface of the sealing muff 9, and its inner lateral surface – with the outer lateral surface of the bearing 12.

According to the second variant, into the opening of the cover 13 there is installed a sleeve 14, and the cavity 10 of the rotor 7 is filled with liquid, different from or identical with the pumpable one.

Claims: 2

Fig.: 1

