

The invention relates to the pump engineering, namely to the glandless pumps.

The glandless centrifugal pump includes a body (1), a cover (10), placed into the body, a rotor (2), installed onto the driven shaft (3), a drive shaft (4), a coupling (5), containing a bush (6) with flange (7), mounted onto eccentrics (8, 9), made onto the adjacent ends of the shafts, and a bellows seal (11), joining hermetically the flange (7) of the bush and the cover (10). The coupling (5) additionally contains pins (12), fixed into the bush flange (7), onto the free ends of which there are mounted rollers (13), placed with clearance into cylindrical sockets (14) made into the pump cover (10). The maximum clearance in the sockets is equal to the displacement size of the eccentrics axes of both shafts.

Claims: 1

Fig.: 1

