

ABSTRACT

An all-plastic single-material press pump includes a press head (1), a pump housing (2), a lock bottle cap (3), a locking cap (21), a pump rod (4), a spring (5), a one-way valve (7), a piston (6), and a dip tube (8) which are made of a same plastic material. The lock bottle cap (3) is connected to an upper end of the pump housing (2) in an inserted mode. The pump housing (2) is provided with upper and lower pump chambers (22, 23), with the locking cap (21) disposed therebetween. An upper end of the pump rod (4) is fixedly inserted into the press head (1). The pump rod (4) passes through the locking cap (21) and extends into the lower pump chamber (23). The spring (5) is disposed in the upper pump chamber (22). The pump rod (4) is provided with a suction channel (41), a lower end of the pump rod (4) is provided with a liquid inlet (42) connecting the suction channel (41) and the lower pump chamber (23). The piston (6) is located in the lower pump chamber (23) and arranged around the pump rod (4) to move up and down along with the pump rod (4).

(To be published with FIG. 2)