

ABSTRACT

ALL-PLASTIC FOAM PUMP STRUCTURE

Disclosed is an all-plastic foam pump structure, including a pressing head (1) made of plastic, a mesh passage (2), a pump body (3), a bottle locking cap (4), a main column (5), an air suction plug (6), a liquid suction plug (7), an elastic sleeve (8), and a pump bead (9), where the bottle locking cap (4) is connected to an upper end of the pump body (3) in an inserted manner; the pump body (3) includes an air chamber (31) and a liquid chamber (32) which are provided at the top and bottom; the air suction plug (6) is provided in the air chamber (31) and connected to the pressing head (1) in an inserted manner, and the mesh passage (2) is arranged between the air suction plug (6) and the pressing head (1); an upper end of the main column (5) extends out of the air chamber (31) and is connected to the air suction plug (6); when the pressing head (1) is pressed downwards, the main column (5) moves downwards together with the air suction plug (6); the liquid suction plug (7) is provided in the liquid chamber (32) and is connected to a lower end of the main column (5); the elastic sleeve (8) sleeves an outer side of the main column (5) and is an elastic plastic annular piece with an opening arranged on a side surface; the pump bead (9) is provided at an inlet of a lower end of the liquid chamber (32). All assemblies of the foam pump are made of plastic and may be recycled without disassembly and classification, improving the recycling efficiency.

(Fig. 1)