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An atomizing head (2) comprising a contacting mem- ber (22), an atomizing core (23) and a core seat (21), wherein an atomizing cavity (216) is formed in the core seat (21), the atomizing core (23) is connected to the core seat (21), the atomizing core (23) is a porous ceramic body, a conductive member (231) is provided on the atomizing core (23), the contacting member (22) is in contact with the conductive mem- ber (231) to realize an electrical connection between the contacting member (22) and the atomizing core (23);

the core seat (21) is provided with a through hole (212), the through hole (212) is configured to install the atomizing core (23), and the through hole (212) is in communication with the atomiz- ing cavity (216); when the atomizing core (23) is inserted in the through hole (212) and installed on the core seat (21), the atomizing core (23) is at least partially received in the atomizing cavity (216);

**characterized in that** the core seat (21) is pro- vided with a first side surface (217), a second side surface (218), a third side surface (219) and a fourth side surface (220), the area of the first side surface (217) and the second side surface (218) is smaller than that of the third side surface (219) and the fourth side surface (220), a gap is formed between the first side surface (217) or the second side surface (218) and an inner wall of the liquid storage cavity (36), while the third side surface (219) and the fourth side surface (220) tightly abut against the inner wall of the liquid storage cavity (36), the through hole (212) extends through the first side surface (217) and the second side surface (218) of the core seat (21) in a direction perpendicular to an axial di- rection of the core seat (21).