

TITLE OF INVENTION: DISCHARGE DEVICE

ABSTRACT

An electrostatic discharge device including at least two conductive materials isolated from each other and at least one electrostatic eliminator. The conductive materials are located outside two opposite side walls of an insulated fluid-carrying member and separated from the side walls thereof. When electrostatic charges are accumulated on the insulated fluid-carrying member, the electrostatic charges form an electrostatic voltage on the conductive materials. The electrostatic eliminator is electrically connected to the conductive materials and directly disconnected from a grounding terminal. The electrostatic eliminator releases and eliminates the electrostatic charges by the conductive materials to reduce the electrostatic voltage. In addition, the insulated fluid-carrying member can also be replaced by an insulation container. When the insulation container is used, induction electrodes can replace the conductive materials in the insulation container. The electrostatic discharge device effectively releases static electricity and avoids noise interference from the grounding terminal.

[Fig.1]