

ION SOURCE LATERAL COOLING DEVICE

ABSTRACT

An ion source lateral cooling device mainly composed of an ion source cavity, a cooling seat and a support base that are connected with one another, one end of the cooling seat is disposed with at least one attaching portion, and the attaching portion is attached to one side of the ion source cavity. At least one circulation cooling circuit is disposed inside the cooling seat, and the circulation cooling circuit is extendedly disposed inside the attaching portion and the cooling seat. The circulation cooling circuit communicates with a circulation lead-in portion and a circulation lead-out portion disposed inside the support base. Therefore, a user can introduce a water body or a cooling body through the circulation lead-in portion into the circulation cooling circuit to reduce the temperature of the ion source cavity, thereby avoiding deterioration of service life of the components due to overheating of the ion source cavity.

FIG. 1