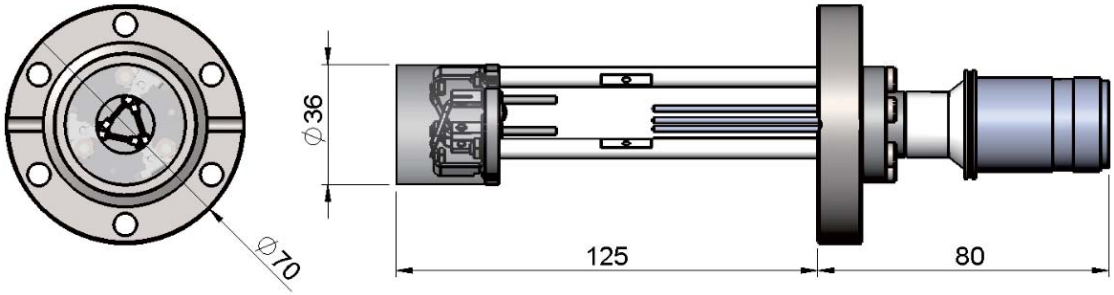
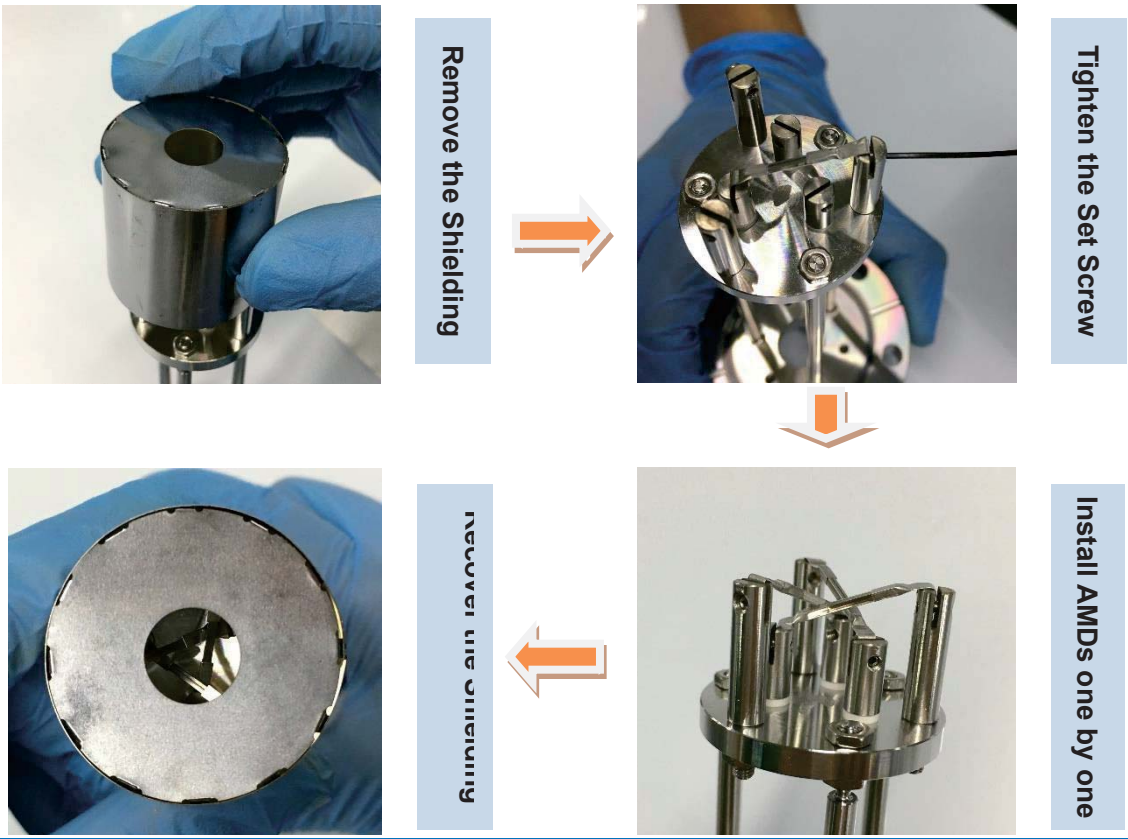
Alkaline Metal Evaporator



All dimensions in mm

Alkaline Metal are used widely in electrical doping and preparing cathode films, however the chemical property of alkaline metal is so active that makes it impossible to load pure alkaline metal into effusion cells without the application for glove box or vacuum transfer box.
An alternative way is to use the Alkali Metal Dispensers (AMD), it is an efficient and safe method of depositing ultrapure alkali metals such as Cesium, Potassium, Sodium, Rubidium and Lithium. AMDs keep the alkali metal pure in the form of a stable salt combine with a getter material. The presence of the getter guarantees an ultrapure environment during the alkali evaporation.
The Alkaline Metal Evaporator is designed to be compatible with SAES AMD model X/NF/xx/12/FT10+10 and could accept up to 3 AMDs at a time. Deposition of individual channel or co-deposition could be chosen at the power supply. All AMDs could be easily accessed and replaced at the time of service. No other consumable part on the alkaline metal evaporator.

Four Steps to Instal the AMD