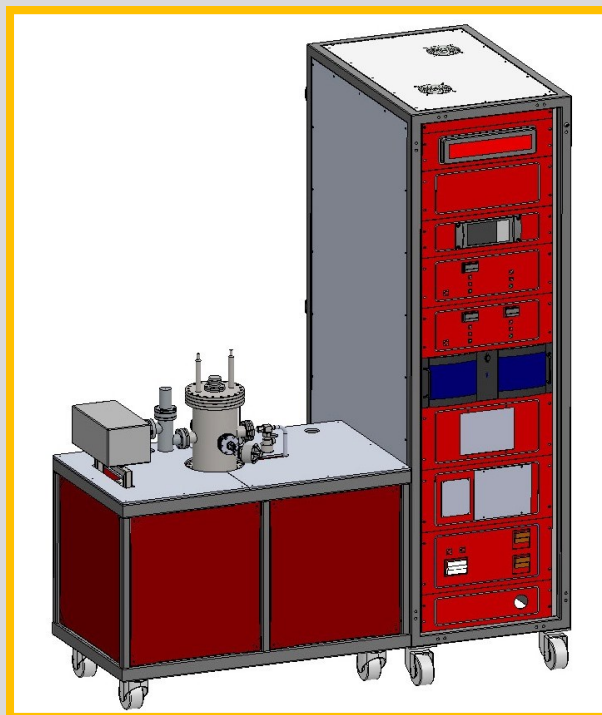




The Inert Gases Extracting Device IGED-2018 is a professional scientific experimental device applies to extracting inert gases from various types of sample water. The device is capable of extracting, purifying and concentrating the inert gases including He, Ne, Ar, Kr, Xe etc. from the sample water by serial methods of evaporating, concentrating and sublimating under a high vacuum condition, for scientific experiment and analytical measurement purpose.

IGED-2018 惰性气体提取装置是专业用于从各类水样中提取惰性气体的科学实验装置。该装置在高度真空条件下采用蒸发、冷凝、升华等系列方法，提取、纯化、浓缩水样中所含氦、氖、氩、氪、氙等惰性气体以供科学实验和分析测量之用。



## Technical Specification (技术规格)

Concentration of mixed inert gases (after purifying) 混合惰性气体纯化后浓度	98.9%
Amount of water sample 水样体积	2-10 ml
Number of inert gas evolution stages 惰性气体释气阶段数	2
Number of vacuum chambers in the device 装置真空舱数量	2
Extreme vacuum rate in the "wet" chamber "湿舱" 极限真空度	$5 \times 10^{-8}$ Torr
Extreme vacuum rate in the "dry" chamber "干舱" 极限真空度	$5 \times 10^{-10}$ Torr
Preparation time for the device (incl. baking out of both chambers) 预备时间 (含双舱预热)	10-12 h
Temperature of "dry" chamber bake out "湿舱" 预热温度	200°C
Temperature of "wet" chamber bake out "干舱" 预热温度	130°C
Full scale flow range (N <sub>2</sub> equivalent) 饱和流量范围 (N <sub>2</sub> 当量)	5 sccm
Cooling liquid 冷却液	LN <sub>2</sub>
Supply voltage 工作电压	~220 V
Number of phases 用电相数	2
Current per phase 工作电流	20 A