



INNOVA BIOMED INSTRUMENTS LIMITED
Add: Lucky centre, 165 Wanchai Road, Wanchai, Hong Kong
Qingdao Innova Bio-Meditech Co., Ltd.
Add: No.176 JuFeng Road, Licang district, Qingdao, China
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Double Water Distiller (304)

Directions for Use





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Brief Introduction

Considering the higher and higher demand for purity of distilled water by units such as laboratory, drug-inspecting institution, chemical industrial enterprise and food factory with the development of industry, the need of mass customers and demand for promoting the purity of distilled water presented by units possessing no boiler, Innova researched and produced the stainless steel electric heating twice distillation apparatus which can satisfy your need.

Product Specification

Type	Specification	Power Supply	Power	Volume
IDWD-25U	25L/h	380V	32kw	84×52×118(cm)

Structural Properties

This product comprises evaporation boiler, condenser and electrical installation.

1. Evaporation boiler: it is comprised of single-distilling boiler and twice distillation boiler, with heating elements made of superior stainless materials mounted at the bottom of boilers.
2. Condenser: it is made of stainless material. Two sets of cooling systems adopt the coil tube type water circulation cooling manner, which shall exert the cooling source fully and promote the cooling effect.
3. Electrical installation: it adopts the control method of one circuit power two sets. Water-lack protection function is available for the boilers. Electric installation shall work under the instruction of liquid level probe in accordance with the water level in the boiler.

Feature

1. All of products are made from stainless steel.
2. Condenser is made of seamless stainless-steel pipes and so with very good cooling effects & great capacity of water produce.
3. The cooled water returning to the vaporizing drum can save energy and water.
4. Drain valve can push the water in container, prevent bilge.
5. Immerge electric heating tube made from copper, heat efficiency is better.
6. Be able to produce water quality Type II for laboratory use:



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- Water conductivity $\leq 2.5 \mu\text{S/cm}$ at 25°C.
 - Total Organic Carbon $< 50 \mu\text{g/l}$.
 - Bacteria $< 20 \text{ cfu/100 ml}$.
 - Silica $< 10 \mu\text{g/l}$.
 - Pyrogen free
7. Electronic control system
 8. Water supply connected through a built-in valve
 9. Storage tank for distilled water of 50 liters. When the storage tank is full, the water level regulator automatically shuts off, and distillation restarts automatically after the distilled water is removed.



10. Evaporator with easily accessible drainage cock with hose, easy to operate.

Precaution and Maintenance



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7. Please let out the residual water in the boiler after each time of use to prevent occurrence of water incrustation and further reduce the water quality and quality of distilled water.
8. Water source adopted this product should undergo softening treatment. While adoption of so-called hard water such as well water will be apt to lead to a great deal of water incrustation in the evaporation boiler and a quality of distilled water yielded failing to meet specified index.
9. It is required to wipe the water stain on the external shell of this product to keep it dry, or it will be easy to result in the rust because of corrosion of stainless material.
10. Please do not dismantle the electric auto-control devices randomly so as to avoid the loss caused by electric leakage and damage of components of the electric appliance. In event of a maintenance need, it should be conducted by personnel with professional knowledge of electrical engineering or after contacting the manufacturer.