Automatic Double Water Still

- ❑ Maximum 8 ℓ /hour production capacity
- ❑ Fully automatic operation system
- ❑ Built-in large storage tank



LWD-3005D



LWD-3005D

CE
Certified

Feature | 제품 특·장점

1 Fully automatic operation system 전공정 자동 운영시스템
- Automatic water supply from tap of city water to equipment
- Detect and control water level in the boiler by water regulator
- When water storage tank is full automatic stop water supply and cut off heater output
- in case distilled water level is low, it starts to produce automatically

2 Built-in large storage tank for distilled water, it is ready for use and user-friendly, ensuring convenient operation and reliable performance
별도의 증류수 저장탱크 가 내부에 장착되어 사용 하기 용이함

3 Designed for easy disassemble structure, provide user with convenient cleaning and maintanance
분해 조립식 구조로 보일러 히터 내부 청소가 편리한 유지 보수

4 Safety devices with over current and electric leakage breaker and water level switch, over heating protector for maximum user safety
전기 과전류 방지 누전차단기 과열방지장치 등 사용자 안전을 우선 보호

5 Compact designed structure and easy installation to use at various place, optional wall mounting type with hanger / bracket
컴팩트 구조 설계되어 다양한 장소에서 사용이 편리함

6 Heavy-duty stainless steel cover with moulded silicone gasket prevent steam leak from boiler and reservoir
보일러 증류수 저장탱크는 스팀누설방지를 위한 덮게식 커버와 실리콘 가스켓





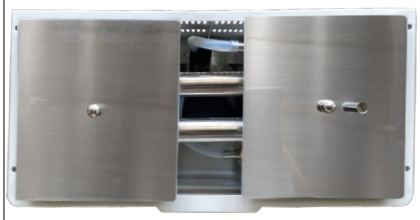
Double operating system

Remark When ordering model, please specify electric frequency
제품 주문 하실 때, 전기 주파수를 명시해 주시기바랍니다

Performance data is based on unload condition
성능 데이터는 무부하 상태에서 작동한 규격입니다

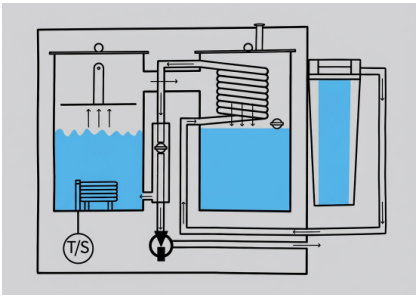
자동 이중 증류수 정제기

Diagram of Distillate water production	Cooling Water Re-circulation system



Top view

Heavy duty Stailess steel plate cover
Molded Silicone Gasket

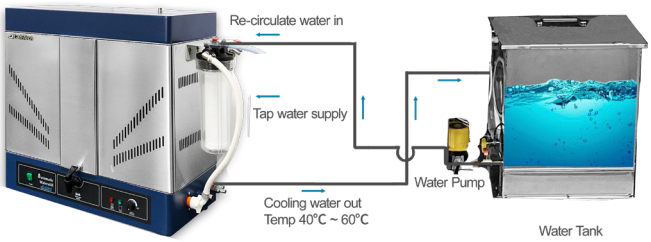


Flow schematic

1st Distilation
↓
2nd Distilation

Fully automatic operation system

Option



Distilled water quality at 25℃

- ❑ pH: 5.5–7.0, slightly acidic water
- ❑ Conductivity: 2.0–2.1 μS/cm, very low ions
- ❑ TDS very low, usually < 1 ppm.
- ❑ Resistivity: 0.48–0.5 MΩ·cm, high purity
- ❑ Pyrogens: Free (non-detectable)

MODEL		LWD-3005D	LWD-3010D
Dimensions	External	685 × 660 × 530	775 × 680 × 610
(W X D X Hmm)	Boiler	185 × 215 × 330 × 2 EA	225 × 225× 400 × 2 EA
	Reservoir	185 × 215 × 200 × 2 EA	225 × 225 × 270 × 2 EA
Capacity	Output	4 ℓ / hour	8 ℓ / hour
	Reservoir	8 ℓ	14 ℓ
	Heater	3 kW × 2 EA	6 kW × 2 EA
Cooling water	Consumption	Approx. 30 ℓ ~ 50 ℓ	Approx. 60 ℓ ~ 80 ℓ
Water supply	Automatic	Solenoid valve 220 ACV Inlet : 1/2inch fitting with pressure hose	
Material	Interior	Stainless steel #304	
	Exterior	Powder coated EG steel (Stainless steel : option)	
	Reservoir	Stainless steel #304	
Operation		Fully automatic operation	
Signal lamp		Distill, Full, Water	
Safety		Over temperature protector, Water float level sensor, Water supply cut off	
Electric suppy	Voltage	220V 50/60Hz, 1 Phase	
	Ampere	27 A	55 A
Weight	Net	Approx. 40 kg	Approx. 47 kg

Remark : " External width is included Filter housing size"

Option&optional accessories

Cat' No.	Descriptions
PF-2101	Hi-clean prefilter 10 inch
AC-2103	Carbon filter 10 inch
DI-2105	Mixed bed ion exchange 10 inch
LS1-1	Sediment filter + Cation Ion filter
LWP-02	Water pump, for recycle of filtered cooling water
LDC-20	Plastic bottle 20 ℓ Capacity : Poly ethylene Option : Poly carbonate



Cat' No.	Descriptions
LAB-1001	· Pore Size :1, 5, 10, 25㎛
	· Size :15 × 15 × 35 cm
LAB-1002	· Prefilter - 1EA, Carbon filter - 1EA
	· Size :23 × 15 × 40 cm
	· Prefilter - 1EA, Carbon filter
LAB-1003	· 1EA, Mixed bed ion exchange cartridge - 1EA
	· Size :42 × 18 × 36 cm



LAB-1001 LAB-1002 LAB-1003

Remark External dimensions is included the size of door handle, hinge, casters
외부 규격은 돌출된 도어 핸들, 힌지, 바퀴 등이 포함된 치수입니다

Electric specifications is subject to 50 Hz or 60 Hz frequency voltage
전기 규격은 전압과 50 Hz or 60 Hz 주파수에 따라 기술된 변동 규격입니다