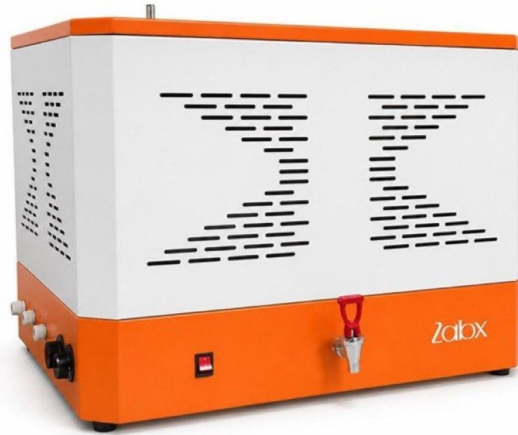


Double Water Distillation Unit



Two-stage stainless steel distiller with an internal storage tank for ultra-pure water.

Key features

Dual independent boilers

- Two boilers operating in parallel for higher efficiency and continuous production
- Each boiler has an independent heating and safety system

Internal collection tank

- Integrated tank for storing distilled water before use
- Ensures smooth and consistent water dispensing
- Eliminates the need for external storage containers

Durable external protection

- Electrostatically coated outer body
- Resistant to rust, moisture, and chemical exposure
- Easy to clean and maintain

Full safety system

- Mechanical water level sensors
- Overheat protection system
- Dry-run protection (automatic shut-off)
- Pressure relief valve for safe operation

Efficient cooling system

- Built-in heat exchanger



- Reduces cooling water consumption
- Improves overall energy efficiency

Manual operation

- Simple mechanical switch control system
- No electronic components for higher reliability
- Reduces maintenance and failure risks

Note

Each boiler is equipped with its own heating element and independent safety system to ensure stable and continuous double-stage operation.

Water output quality

Conductivity: Approx. 1.0 $\mu\text{S}/\text{cm}$ at 25°C

pH range: 6.0 – 7.0 (ideal for sensitive scientific and medical applications)

Technical advantages

- Double-stage distillation ensures ultra-high purity water
- Complete safety system for overheating, dry-run, and overpressure protection
- Robust, electronic-free design for maximum reliability and low maintenance
- Efficient cooling system reduces water and energy consumption

Applications

- Research and analytical laboratories
- Hospitals and medical sterilization systems (autoclaves)
- Pharmaceutical production
- Industrial processes requiring ultra-pure water

Why choose LabX?

- Ultra-high purity water output
- Heavy-duty industrial construction for long service life
- Fully manual and highly reliable operation
- Efficient cooling and energy optimization
- Strong after-sales support and spare parts availability

LabX Tech statement

At LabX Tech, we deliver advanced water purification systems designed for maximum purity, operational safety, and long-term industrial reliability, supporting critical scientific and medical applications worldwide.



Models and specifications

Model	Output (L/h)	Dimensions (cm)	Control system	Material	Power (kW)	Heating elements	Internal tank capacity (L)	Conductivity	pH range
LDX-4WD	4	40 × 35 × 60	Manual switches + dual protection systems	100% stainless steel	7.0	2 × 3.5 kW	—	Approx. 1.0 µS/cm at 25°C	6.0–7.0
LDX-6WD	6	45 × 40 × 60	Manual switches + dual protection systems	100% stainless steel	10.5	2 × 5.25 kW	—	Approx. 1.0 µS/cm at 25°C	6.0–7.0
LDX-8WD	8	50 × 45 × 60	Manual switches + dual protection systems	100% stainless steel	16	4 × 4 kW	—	Approx. 1.0 µS/cm at 25°C	6.0–7.0

Warranty

One-year comprehensive warranty on all devices · Two-year warranty against manufacturing defects · Maintenance contract after the warranty period