



# Distillation units

Smart Distillation for High-Purity Applications.

# On demand single distillation unit



## Introduction

Designed for labs that demand reliable, high-purity water on tap, the On-Demand Single Distillation Unit (SDU) offers fully automatic operation for effortless, one-stage distillation. It effectively removes a broad range of impurities, making it ideal for buffer preparations, sample dilutions, and general lab use. With built-in descaling support and easy maintenance, it ensures consistent performance with minimal intervention.

## Key



### Preset & Relax

Set your desired volume auto shut-off saves time, water, and energy.



### Smart Countdown

Know the estimated time to collect your desired volume



### Fail-Safe Pro

Auto cut-off issues & shuts

## Technical Data & Ordering Information

Model Name	SDU1500	SDU2500	SDU4000
Capacity Distilled Water Output	1.5 LPH	2.5 LPH	4 LPH
Minimum cooling water requirement (Ltr/min)	1	1.5	2
Heater	Quartz	Quartz	Quartz
Boiler	Boro 3.3	Boro 3.3	Boro 3.3
Condenser	Boro 3.3	Boro 3.3	Boro 3.3
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Conductivity S/cm*	<3 × 10 <sup>-6</sup>	<3 × 10 <sup>-6</sup>	<3 × 10 <sup>-6</sup>
Power consumption (kw)	1.7 kW	2.5 kW	3 kW
Voltage (V)	230 V	230 V	230 V
Dimensions (L × B × H) in mm	650 × 320 × 440 mm		
HSN Code	84198990		
Ordering Code	BLFRSDU150000000000	BLFRSDU250000000000	BLFRSDU400000000000

# On demand double distillation unit

## Introduction

The On-Demand Double Distillation Unit (DDU) is designed for labs that require ultra-pure water for critical applications. With fully automatic dual-stage distillation, it efficiently removes a wide range of impurities—delivering high-ionic purity water ideal for sensitive buffers, reagents, and analytical preparations. Built-in cleaning guidance and easy maintenance features make it a reliable, time-saving solution for demanding lab environments.



## Features



### Built-In Safety Sensor

Overheat and low-water level protection with real-time alerts.



### Easy Maintenance

Cleaning guide and threaded joints make upkeep quick and mess-free.

## Technical Data & Ordering Information

Model Name	DDU1500	DDU2500	DDU4000
Capacity Distilled Water Output	1.5 LPH	2.5 LPH	4 LPH
Minimum cooling water requirement (Ltr/min)	1	1.5	2
Heater	Quartz	Quartz	Quartz
Boiler	Boro 3.3	Boro 3.3	Boro 3.3
Condenser	Boro 3.3	Boro 3.3	Boro 3.3
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Conductivity S/cm*	<3 × 10-6	<3 × 10-6	<3 × 10-6
Power consumption (kw)	3 kW	4.4 kW	6 kW
Voltage (V)	230 V	230 V	230 V
Dimensions (L × B × H) in mm	650 × 550 × 520 mm		
HSN Code	84198990		
Ordering Code	BLFRDDU150000000000	BLFRDDU250000000000	BLFRDDU400000000000







# Quartz Cabinet Double Distillation

## Introduction

The On-Demand Double Distillation Unit (DDU) is designed for labs that require ultra-pure water for critical applications. With fully automatic dual-stage distillation, it efficiently removes a wide range of impurities—delivering high-ionic purity water ideal for sensitive buffers, reagents, and analytical preparations. Built-in cleaning guidance and easy maintenance features make it a reliable, time-saving solution for demanding lab environments.



## Key features

- 01**  **Pure Precision: Quartz Build**  
All Quartz Construction 99.9% SiO<sub>2</sub>, providing the pure water
- 02**  **Rugged & smart Built**  
Cabinet Assembly Promotes Space-Efficient and Safe Usage
- 03**  **Easy and effective storage**  
Water Reservoir Distilled water is stored eliminating contamination.
- 04**  **Smart Storage Oversight with level Sensor**  
Optical Level Sensor monitors the water storage level in the reservoir
- 05**  **Customize water output with autoshtutdown**  
On demand Output Produces desired amount of water and auto shut down
- 06**  **Point of Use Dispensing**  
Distilled water in small quantities dispensed at your fingertips for daily lab applications

## Technical Data & Ordering Information

Model Name	QCD 250
Orientation	Vertical
Design	Bench Top Cabinet
Capacity Distilled water Output	2.5LPH
Minimum cooling water requirement (Ltr/min)	2
Dimensions (L*B*H) along with reservoir	730 × 500 × 1020
Heater	Quartz
Boiler	Quartz
Condensor	Quartz
Biological Activity	Pyrogen Free
Conductivity S/cm*	<1 × 10 <sup>-6</sup>
Power consumption (kw)	4kW
Voltage (V)	230 V
Dry Run Protection	Yes
On Demand Output	Yes
Storage Mode	Yes
Auto Filling Reservoir	Yes
Dispense Range (minimum ml)	10ml
Order Code	BLFRQCD250000000000
HSN Code	84194090

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