

LABWAN Single Stage Quartz Distillation

Product Description

The LABWAN Single Stage Quartz Distillation apparatus consists of a high-purity quartz boiler with built-in heater and bottom discharge joint for easy cleaning of deposits. A spiral condenser is fitted on the boiler with a receiving adapter. The unit can be supplied with a Safety Control Unit to protect glass parts in case of water failure or overheating. Quartz provides resistance to high temperature variation and is thermal shock proof

Water Quality Parameters

Parameter	Value
Conductivity	1.0 - 1.5 $\mu\text{S/cm}$ with Borosilicate Condenser
Conductivity	0.5 - 0.8 $\mu\text{S/cm}$ with Quartz Condenser
Distilled Water Quality	Pyrogen Free
Distillate Temperature	25-45°C

The apparatus consists of a boiler made from high purity quartz with built in heater and bottom discharge joint for easy cleaning of deposits. A spiral condenser is fitted on the boiler with receiving adapter. The unit comes with Safety Control Unit (Optional) to protect the Glass parts in case of water failure or overheating. Quartz can withstand very high temperature variation, thus it is thermal shock proof.



Borosilicate Condenser

Model No.	Output Cap. (Approx.)	Power Rating (Total)	Cooling Water Consumption (Approx.)
LSSBC-2.5	2.5 ltr/hr	2 Kw	40 ltr/hr
LSSBC-5	5 ltr/hr	4.4 Kw	65 ltr/hr
LSSBC-8	8 ltr/hr	6 Kw	90 ltr/hr
LSSBC-10	10 ltr/hr	9 Kw	120 ltr/hr

Quartz Condenser

Model No.	Output Cap. (Approx.)	Power Rating (Total)	Cooling Water Consumption (Approx.)
LSSQC-2.5	2.5 ltr/hr	2 Kw	40 ltr/hr
LSSQC-5	5 ltr/hr	4.4 Kw	65 ltr/hr
LSSQC-8	8 ltr/hr	6 Kw	90 ltr/hr
LSSQC-10	10 ltr/hr	9 Kw	120 ltr/hr

Safety Control Unit

Model No.	Capacity	Description
SCU-1	2 ltr/hr	Digital Safety Control Unit with Alarm
SCU-2	5, 8 & 10 ltr/hr	

For the Quartz Condenser version, the smallest model listed in the specification table is LSSQC-2.5, with an output capacity of 2.5 ltr/hr.

Advantages

- Rust proof powder coated sturdy stand as base.
- Replaceable clamps are provided for better adjustment and alignment of the boiler and condenser.

Advanced Features

- Distillate is pyrogen free; also it is free of heavy metals.
- Switch on time is less than minute providing distilled water instantly.
- Low maintenance is required.