

# COMMERCIAL DISTILLATION UNIT

# CDU 3000



## EQUIPMENT SPECIFICATIONS

<b>Footprint (Approx.)</b>	78" H x 31.5" D x 90.5"W
<b>Operational Height</b>	96"
<b>Total Weight</b>	798 lbs.
<b>Shipping Weight</b>	1 crate: 1,112 lbs.

## STANDARD FEATURES

- Continuous feed system, not limited to batch size
- 3000 - 6000 ml per hour throughput
- One light pass, single pass polish
- Diffusion pump equipped vacuum system capable of 0.75 millitorr and lower
- UL CONFORMING/NRTL MARKED
- Auto feed/auto extraction pumps
- Rotary vane/diffusion vacuum pump combination

## FEED SYSTEM

- Volume – 2.0L
- Max pressure in heating jacket: 0.5 barg

## DISTILLATION COLUMN/WIPERS

- Roller wiper system with drive motor (230v, 50/60 hz) and digital display of wiper speed
- Material of wiper rollers: PTFE with 25% glass fiber

## SEALING MATERIALS/GASKETS

- Metal parts: stainless steel 316
- Glass parts: borosilicate glass 3.3
- Sealing materials: FKM, PTFE, graphite

## TECHNICAL DATA

- Evaporator surface area: 6 dm<sup>2</sup>/93in<sup>2</sup>
- Heating medium: thermal fluid (silicone or thermal C20S)
- Max. temperature evaporator jacket: 350°C
- Internal condenser surface area: 6 dm<sup>2</sup>/ 93 in<sup>2</sup>
- Cooling medium, internal condenser: thermal fluid
- Max. temperature of the internal condenser: 200°C

## ELECTRICAL SPECIFICATIONS

- 60A, 230V, 3 Phase, 60Hz
- Single hard wire. Built in power distribution bus
- Emergency shutoff and main switch
- UL/CSA compliant
- 12kW total power load



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